



FocusTM

P O R T A B L E Q U A D - B A N D
M O B I L E P H O N E
U s e r M a n u a l

Please read this manual before operating your
phone, and keep it for future reference.

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Dynamic Noise Suppression from Audience™

Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere.

How Does It Work?

Based on the intelligence of the human hearing system, the technology:

- Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.
- Then isolates the primary voice in conversation and filters out the background noise - so the person you're calling hears only your voice, without disturbing background noise.
- Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear clearly and don't need to speak louder to overcome surrounding noise.

The noise suppression technology is built-in and already enabled in your new mobile phone. So it's ready to provide unsurpassed voice clarity with every call.

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Table of Contents

Section 1: Getting Started 1

Setting Up Your Phone	1
Charging a Battery	4
Switching the Phone On or Off	5
Locking and Unlocking the Touch Screen	5
Using the Start-up Wizard	5
Setting Up Your Voice Mail	6
Troubleshooting	7
Windows Phone 7 and MicroSD Cards	7

Section 2: Understanding Your Phone 12

Features of Your Phone	12
Front View of Your Phone	12
Side Views of Your Phone	13
Rear View of Your Phone	14
Display Layout	15
Menu Navigation	18
Customizing Your Home Screen	21
Speech Engine	23

Section 3: Call Functions 24

Making a Call	24
Making a Call from People	25
Answering a Call	25
Call History	25
Options During a Call	27

Section 4: Entering Text 30

Language Selection	30
Keys	31
Using the keyboard	32
Changing the Text Input Mode	33
Using Alphabetic Mode	33
Using Symbol and Numeric Mode	34
Using Emoticon Mode	34
Using Text Suggestions	35
Keyboard Settings	35

Section 5: People 36

Importing SIM Contacts to Your Phone	36
Deleting People Entries	36
Adding a New Contact	36
Editing an Existing Contact	37
Using your People List	37
Linking Contacts	38
Synchronizing Accounts	40
What's New	40
Recent Activities	41
People Options	41

Section 6: Multimedia 42

Music and Videos	42
Pictures	47

Camera	49	Music + Videos	95
Section 7: Messaging	55	Now	95
Types of Messages	55	Office	96
Creating and Sending Text Messages	55	People	96
Creating and Sending Multimedia Messages	56	Phone	96
Messaging Conversations	57	Pictures	96
Messaging Settings	59	Settings	96
Using Email	59	Section 11: Health and Safety Information	98
Section 8: Changing Your Settings	66	Safety Warnings	98
System Settings	66	Safety Precautions	99
Application Settings	73	Warranty Disclaimer: Proper use of a touch screen handset	100
Section 9: Connections	80	UL Certified Travel Adapter	100
Internet Explorer	80	Important usage information	101
Wi-Fi	83	Radio frequency safety	102
Bluetooth	84	Section 12: Warranty Information	105
PC Connections	86	Index	109
Section 10: Applications	87		
Alarms	87		
Calculator	88		
Calendar	89		
Camera	90		
Games	90		
Internet Explorer	91		
Maps	92		
Marketplace	93		
Messaging	94		

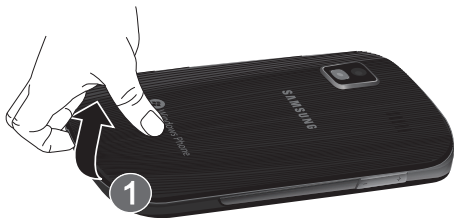
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the battery cover by placing your thumbnail into the slot at the bottom of the phone (1). If you have fragile nails, use a pointed object.



2. Lift the cover up and away from the phone (2).



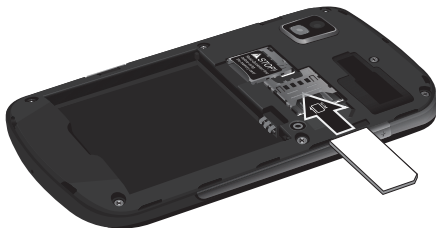
Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.

- Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.



Note: If the card is not inserted correctly, the phone does not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

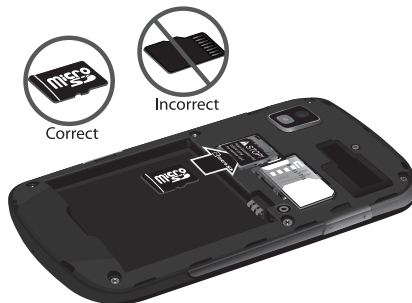
Installing the Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space.

Note: Your phone has been tested to support up to a 32GB memory card.

Push the microSD card into the slot until it clicks (as shown).

- Make sure the microSD's gold contact pins face downward and the card is securely inserted.



Warning! Once you install a secure digital card, it is formatted to work only with your phone. It cannot be used with other devices.

For more information, refer to “*Windows Phone 7 and MicroSD Cards*” on page 7.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the battery contacts align (1).
2. Gently press down to secure the battery (2).



3. Replace the battery cover onto the back of the phone in the direction shown by the arrow (1).
4. Press down along the bottom of the phone until you hear a light click (2).



5. Press down firmly along the edges to ensure that the cover is flush with the phone (3).



Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery


Your phone is powered by a rechargeable Li-ion battery. Use the Travel Adapter included with your phone to charge the battery. Use only Samsung-approved batteries and chargers.

Note: Searching for service, vibrate mode, browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so requires additional charging time.

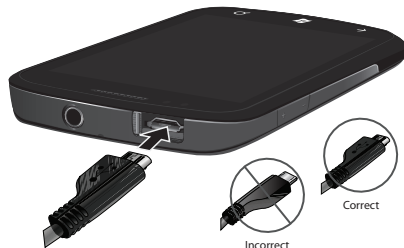
Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Using the Travel Adapter

1. With the battery installed, slide the plastic cover open (top left side of phone) .

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the travel adapter is connected, the handset may power off and on continuously, preventing proper operation.

2. Plug the flat end of the Travel Adapter into the Power/Accessory Interface connector and the other end into a standard AC wall outlet.




Note: When you connect the Travel Adapter, your phone powers on automatically. Windows Phone 7 only supports charging while the phone is powered on.

3. When charging is finished, disconnect the Travel Adapter from the phone.

Warning! The touch screen responds best to a light touch from the pad of your finger. Using excessive force when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to "Warranty Information" on page 105.

Note: Failure to unplug the wall charger before removing the battery can cause damage to the phone.


Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the “Battery critically low” warning appears and the device sounds a warning tone at regular intervals. The battery level is indicated by the battery charge indicator located in the upper-right corner of your device’s display. Solid colour () indicates a full charge.


When the battery level becomes too low, the phone automatically turns off.

Note: To see the battery level when there are no icons displayed, tap the top of the screen.



Switching the Phone On or Off

1. Press and hold the Power key  (on the upper right side of the phone) until the phone switches on.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to “Changing Your Settings” on page 66.

2. To switch off the phone, press and hold the Power key  until **Goodbye!** displays.

Locking and Unlocking the Touch Screen

1. Press  to lock the touch screen.
2. Press  again to display the main screen then sweep your finger upwards across the glass to unlock the touch screen.

Using the Start-up Wizard

The very first time you turn on your phone the Start-up Wizard screen is displayed.

1. Tap **get started**.

The Choose a Language screen displays. The language you choose determines how text is displayed on your phone.

2. Tap the language you want to use and tap **next**.

If you choose a language other than English, the Switch your language screen displays. Press **ok** to restart the phone and change the language or press **cancel** to return to the Choose a Language screen.

3. Read the Windows Phone Terms of Use and tap **accept**.

The WINDOWS PHONE SETTINGS screen is displayed.

4. Tap **recommended** to allow the Start-up Wizard to configure your phone to the recommended settings.

– or –

Tap **custom** to manually configure the phone yourself. If you select **custom**, follow the on-screen instructions.

5. Scroll through the list of time zones and tap the time zone of your choice to highlight it and tap **next**.
6. If the phone cannot automatically acquire the current date and time from the network, the Date & Time screen is displayed. Tap **What's the date today?** to set the month, day, and year and tap **What's the time now?** to set the current time. Tap **next**.
7. The Sign In With a Windows Live ID screen is displayed.

To get apps, play games, use a Zune Pass, automatically sync Windows Live information to the web, and more, you need a Windows Live ID. If you already have an Xbox LIVE, Zune, Hotmail, or Messenger ID, you already have a Windows Live ID.

To sign into your existing account, tap **sign in**.

– or –

To create a new Windows Live ID, tap **create one**.



– or –

To create an account later, tap **not now**.

When you are finished, the All done screen displays.

8. Tap **done** to go to the Home screen.

Setting Up Your Voice Mail



1. From the Home screen, tap , then tap .

You may be prompted to enter a password.

2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap .

2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail from Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your passcode.

Troubleshooting

If your phone is frozen or unresponsive, try the following:

1. Restart your phone: press and hold the Power key until the phone turns off and then press the Power key again to turn on the phone.
2. If restarting your phone does not solve the problem, turn off the phone, remove and replace the battery, and turn on the phone.

Windows Phone 7 and microSD Cards

Users are strongly encouraged to review this section carefully before inserting the right type of microSD card into a Windows Phone 7 device.

Windows Phone 7 does not support freely swapping microSD Cards in and out.

Many commercially available retail microSD cards are not approved for use in Windows Phone 7. Use of unapproved cards may cause performance degradation or device instability including unexpected reset and loss of user data. MicroSD card class is not an indication of meeting Windows Phone 7 requirements. Approved cards can be obtained from the manufacturer or Mobile Operator. (SanDisk 8GB class 2 microSD card has been certified.)

Once inserted and properly formatted, the memory card becomes an inseparable part of the phone.

A microSD card inserted into a Windows Phone 7 device and integrated into the device's file system is intended to be a permanent modification to the device. Once a microSD card has been integrated into a Windows Phone 7 device's file system, it will no longer be readable or writable on any other devices, such as computers, cameras or printers. This includes an inability to format the microSD card for use in these devices. Improper use (including inserting or removing) of microSD cards on Windows Phone 7 devices may result in one or more of the following:

- System error while powering on the device that prevents the Windows Phone 7 operating system from loading. Note that emergency dialing will function properly.
- Inaccurate reporting of available storage.
- Loss of access to or removal of installed applications.

- Loss of access to or removal of user data/media stored on the microSD card.
- Loss of access to or removal of user data or media stored internally within the Windows Phone 7 device.
- Overall file system performance degradation.
- Device lockup or reset.

Inserting or Removing the Memory Card





To insert or remove a microSD card, you have to reset your phone by using a procedure called a *hard reset*.

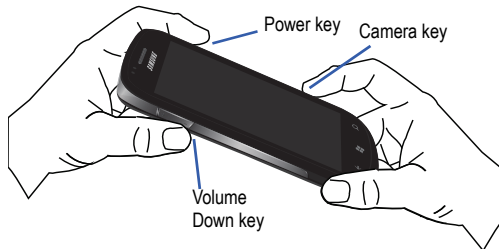
Warning: A hard reset resets your phone to its factory default settings and wipes all data (pictures, video, contacts, music, and so on) from your phone. Make sure your data is saved to your PC. For more information, refer to "Using Zune To Stay In Sync" on page 46.

Insert a microSD Card Into a Windows Phone 7 device

Simply inserting a microSD card into a Windows Phone 7 device and restarting the device will result in the card being ignored by the phone. To insert a microSD card into your phone, follow these instructions carefully.

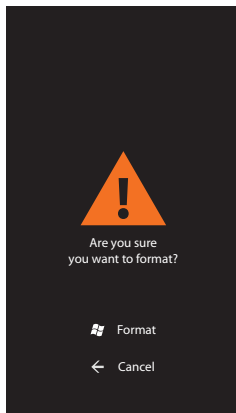
1. If the microSD card contains any data, make sure you back up the contents before inserting it into your Windows Phone 7 phone. The microSD card will be reformatted to be part of the Windows Phone 7 file system and all data will be lost.

2. Press and hold the Power key  to power off the phone, if necessary, and open the battery cover.
3. Insert the microSD card into the SD slot located on device. For more information, refer to "Installing the Memory Card" on page 2.
4. Power up the device by pressing the Camera key , Volume down key , and Power key .



When the device vibrates, release the Power key, but continue pressing the Camera and Volume down keys. Once the device

displays the **Are you sure you want to format?** screen, release the Camera and Volume down keys.





Note: If the download mode screen displays, go back to step 1 and try again.

5. Press the Window key  to format the device.
-

Note: Formatting erases all user data stored on the device and on the microSD card.


6. Press the Window key again to confirm that you want to format the device.

Warning! Do not remove the battery while formatting your phone. Wait until the device switches on and displays the Home screen.


7. After formatting is complete, the Start-up Wizard screen is displayed. For more information, refer to “Using the Start-up Wizard” on page 5.
8. After start-up is complete, from the Home screen, tap →  → **Settings**  → **system** → **about** to verify that available memory has been updated.

Permanently Remove a microSD Card from a Windows Phone 7 device




To permanently remove a microSD card from a Windows Phone 7 device, follow these instructions:

1. Press and hold the Power key  to power off the phone, if necessary, and open the battery cover.
2. Remove the microSD card from the SD slot located on device.

Note: Once removed, this microSD card is not readable or writable on other devices such as computers, cameras, and printers.

3. Power up the device by pressing the Camera key, Volume down key, and Power key. When the device vibrates, release the Power key, but continue pressing the Camera and Volume down keys. Once the device displays the **Are you sure you want to format?** screen, release the Camera and Volume down keys (see Step 4 starting on page 9 for more details).
4. Press the Window key  to format the device.

Note: Formatting erases all user data stored on the device.

5. Press the Window key  again to confirm that you want to format the device.
6. After formatting is complete, the Start-up Wizard screen is displayed. For more information, refer to *"Using the Start-up Wizard"* on page 5.
7. After start-up is complete, from the Home screen, tap  → **Settings**  → **system** → **about** to verify that available memory has been updated.

Storage Error During Device Power Up

If you:

- Remove a microSD card from your Windows Phone 7 device that has been integrated with the file system
- or –
- Insert a different microSD card into your Windows Phone 7 device that has not been integrated properly with the file system,

The following results may occur:

- System error while powering on the device that prevents the Windows Phone 7 operating system from loading. Note that emergency dialing will function properly.
- Inaccurate reporting of available storage.
- Loss of access to or removal of installed applications.
- Loss of access to or removal of user data and media stored on the microSD card.
- Loss of access to or removal of user data or media stored internally within the Windows Phone 7 device.
- Overall file system performance degradation.
- Device lockup or reset.

To resolve these errors:

1. Remove the microSD card, which has not been integrated properly with the file system, from the Windows Phone 7 device.

AND/OR

2. Insert the microSD card that was previously integrated with the file system into the Windows Phone 7 device.

Note: Once the device is upgraded through the Zune package update, the memory card may work differently.

For additional questions, contact your service provider.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone.

Features of Your Phone

Your phone is lightweight, easy-to-use, and offers many useful features. The following list outlines a few of the features included in your phone.

- Touch screen that provides quick response to a variety of in-phone menus and options including applications and a home screen
- Microsoft Windows Phone 7 platform
- Ready access to the Internet
- Built-in Bluetooth and Wi-Fi technology
- Brilliant, wide-screen AMOLED display
- Five megapixel camera and camcorder
- HSDPA 7.2 Mbps high speed download capability
- Sync and update social network applications

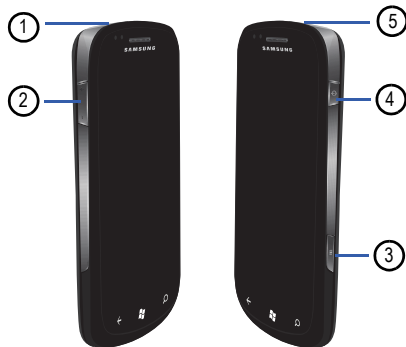
Front View of Your Phone





1. **Proximity and Light sensors:** the Proximity sensor detects how close an object is to the surface of the screen (for example, when your face is against the phone during a call or the phone is in your pocket), locks the keys to prevent accidental key presses, and turns off the screen. Light sensors use the ambient light level to adjust screen brightness and contrast.
2. **External speaker:** allows you to hear the caller.
3. **Display:** shows the information needed to operate your phone, such as the Application Tiles, icons, dialer, messages, etc.
4. **Back key:** allows you step backwards when navigating a menu or web page.
5. **Start/Window key:** allows you access the Home screen from any screen. Press and hold to activate the voice search engine.
6. **Microphone:** allows the other callers to hear you when you are speaking to them. Also allows you to use the voice search engine.
7. **Bing search key:** a shortcut to the Bing search engine that allows you to search for items on the internet.

8. **Applications Menu key:** allows you to access the applications menu. You can also sweep your screen to the left to access the Applications Menu.
9. **Indicator icons:** shows the information needed to operate your phone, such as the received signal strength, phone battery level, and time. If the icons are not visible, tap the top of the display.

Side Views of Your Phone



1. **Power/Accessory Interface connector:** allows you to connect a travel charger or other optional accessories such as a USB/data cable.
2. **Volume keys:** allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press either volume key (**+** **-**) to mute the ring tone. Also used to adjust the volume while playing music or videos and to display additional tuning controls when using the Radio.
3. **Camera key:** () allows you to take pictures or videos. Press and hold the camera key to launch the Camera, even when the display screen is off and locked.
4. **Power/Lock key:** () used to power the phone on and off, and lets you lock or unlock the touch screen. For more information on locking your phone, see “*Locking and Unlocking the Phone*” on page 18.
5. **3.5mm Headset jack:** allows you to connect headphones.

Rear View of Your Phone



1. **Camera lens:** is used to take pictures and shoot videos.
2. **Flash:** allows you to take pictures when the lighting is poor.
3. **External speaker:** allows you to hear when the Speakerphone is turned on and play music.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to “*Front View of Your Phone*” on page 12.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Note: If there are no icons displayed, tap the top of the screen to display them.



Displays your current signal strength. The greater the number of bars, the stronger the signal.



Displays when there is no SIM card in the phone.



Displays when the SIM card is locked.



Displays when Call forwarding is active. For more information, refer to “*phone*” on page 77.



Displays your battery charge level. Icon shown is fully charged.



Displays when your battery is charging and displays battery charge level. Displays when the phone is connected to a computer via a supported USB cable connection.



Battery critically low. The battery needs to be charged soon or your phone will turn off.



Displays when your connection to an EDGE network is active.



Displays when your connection to a 3G network is active.



Displays when your connection to a 3G+ network is active.



Displays when the ringtone is set to vibrate only.



Displays when Bluetooth is activated and your phone has been connected with a Bluetooth device.



Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).



Displays when Wi-Fi is active, but there is a communication issue with the target Wireless Access Point (WAP).





Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 66.

Application Icons

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Applications icons, see *"Navigating to the Application Menu"* on page 19.

1. From the Home screen, use your finger to sweep the display to the left or tap , then tap one of the application icons.
2. Follow the on-screen instructions. For more information, refer to *"Applications"* on page 87.
3. To return to the Home screen, tap .

The following applications are available:



Alarms: allows you to access and set alarms. For more information, refer to *"Alarms"* on page 87.



Calculator: lets you use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 88.



Calendar: allows you to consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"Calendar"* on page 89.



Camera: lets you use the phone's 5.0 megapixel camera to produce photos in a JPEG format. For more information, refer to *"Camera"* on page 49.



Games: allows you to shop for new games, install games you buy on your phone, and play them with the Games feature. For more information, refer to *"Games"* on page 90.



Internet Explorer: lets you surf the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet Explorer"* on page 80.



Maps: lets you use Bing Maps, a free introductory location-based service that provides static, non-moving, non-voice guided, turn-by-turn driving directions. It also has additional user features such as Local Search (limited) business listings and points of interest (POI). For more information, refer to “*Maps*” on page 92.



Marketplace: provides access to downloadable applications and games to install on your phone. Marketplace also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone. For more information, refer to “*Marketplace*” on page 93.



Messaging: lets you send and receive different types of messages. For more information, refer to “*Messaging*” on page 55.



Music + Videos: provides access to music, videos, podcasts, and radio on your phone. For more information, refer to “*Music and Videos*” on page 42.



Now: The Now application allows you to view weather, news, and favorite stocks at a glance. For more information, refer to “*Now*” on page 95.



Office: provides access to Microsoft Office, which allows you to access OneNote, Excel, Word, PowerPoint, and SharePoint on your phone. For more information, refer to “*Office*” on page 96.



People: lets you manage your contacts by storing their name and phone number in your Address Book. Address Book entries can be sorted by first or last name. You can also synchronize your phone Address Book with your email account, such as Windows Live, Outlook, Google, or Facebook. For more information, refer to “*People*” on page 36.



Phone: allows you to view your call history. From the call history screen, you can access your voicemail, make calls using the dialer, or view your contacts. For more information, refer to “*Call Functions*” on page 24.



Pictures: lets you view photos and play back videos. You can also set photos as wallpaper or as a contact image, and share them as a picture message. For more information, refer to “*Pictures*” on page 47.






Settings: provides access to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to “*Changing Your Settings*” on page 66.

Tip: To open applications quickly, pin the icons of frequently-used applications to the Home screen. For details, see “*Customizing Your Home Screen*” on page 21.

Bing Search

The Bing Search Bar provides you an on-screen Internet search engine, lets you search for a contact in the People application, or search for an application in the Marketplace application.

1. From the Home screen, press .
2. The first time you use the Bing Search, you are prompted to allow the application to access and use your location. This can help in the search procedure. Tap **allow** or **cancel**.
3. Tap the Bing Search bar.
4. Use the on-screen keyboard to enter the item you want to search for.
5. Tap  to see search results, then tap on a link.


6. Tap  to use Voice Search. Speak the word you want to search for, then follow the on-screen instructions.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using menus. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus.

Locking and Unlocking the Phone


To unlock your phone:

1. Press the lock button  located on the upper right side of your phone.
The lock screen will display.
2. Sweep the lock screen in an upward direction.



3. The Home screen will display as shown above.

Home Screen Overview

The Home screen is the starting point for many applications and functions, and you can pin items like application icons, shortcuts, contacts, and web pages to your Home screen to give you instant access to information and applications. The Home screen is accessible from any menu or application by touching .

Navigating to the Application Menu

Follow these steps to navigate to the Application Menu:

1. At the Home screen, sweep the screen to the left.
– or –


Tap .

2. The Application Menu is displayed. Sweep the screen up or down to access all of the available application icons.




3. Tap one of the application icons.




4. To return to the Home screen, sweep the display to the right or tap .

Navigating Using Sub-Menus

Sub-menus are available when you are at any screen such as Phone, Contacts, Messaging, or Web and  displays at the bottom of the screen.

To access a sub-menu, follow these steps:

1. Tap  on the bottom right corner of your display.

A sub-menu will appear at the bottom of the screen. The icons will also be labeled for easy identification.

Note: Not all screens will have options available.

2. Tap an option.

The example below shows the call history screen before and after tapping the options icon.




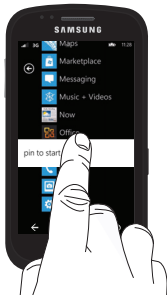
Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Adding and removing application tiles
- Repositioning application tiles
- Changing the wallpaper

Adding a Tile from the Applications Menu

1. At the Home screen, sweep the screen to the left.
– or –
Tap .
2. The Application Menu is displayed. Touch and hold one of the application listings.




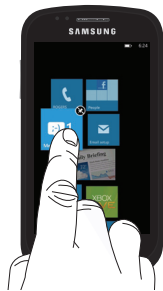
3. Tap **pin to start** after it displays under the icon.

The application now appears as the bottom Tile on the Home screen. You can then move it if you like. For more information, refer to “Moving Tiles on the Home Screen” on page 22.

Removing a Tile from the Applications Menu

To delete an Application Tile from your Home screen, follow these steps:

1. From the Home screen, touch and hold the Application Tile that you want to remove.
2. Tap on the  icon to delete Tile.



Note: After deleting an Application Tile, you can add it back later by pinning it to the home screen from the Applications Menu. For more information, refer to “Adding a Tile from the Applications Menu” on page 21.

Moving Tiles on the Home Screen



To move an Application Tile on your Home screen, follow these steps:



1. From the Home screen, touch and hold the Application Tile that you want to move.
2. Drag the Tile to the new location and release.
3. Tap the center of the icon to place it in the new location.

Be careful not to tap the  icon. If you do, the Tile will be deleted.

Changing the Lock Screen Wallpaper




You can change the Wallpaper (background) of your Lock screen by following these steps:

1. From the Home screen, tap  → **Settings**  → **lock & wallpaper**.
2. Tap **change wallpaper**.
3. Select the **Wallpapers** folder or any other picture folder that you want.

4. Tap on a wallpaper thumbnail, and when it is enlarged, tap the  icon.
5. Press  to return to the Home screen.


Changing your Color Theme


You can change the color theme of your phone by following these steps:

1. From the Home screen, tap  → **Settings**  → **theme**.
2. Tap the **Background** field.
3. Tap on **dark** or **light** to set your background color.
4. Tap the **Accent color** field.
5. Tap on a color that you like.
6. Press  to return to the Home screen.

Note: Battery power is consumed at a faster rate when the background is set to **light**.

Speech Engine

There is an intuitive speech engine integrated into the Window key () on your phone.

1. From any screen, press and hold  to activate the intuitive speech engine.
2. Touch **speak**.
3. Speak the words that you would like to search on or the action that you would like to perform.

The following examples show the flexibility of the speech engine:



- “Call Chris mobile”
 - “Find coffee in Seattle”
 - “Open calendar”
4. To change speech settings, see “*speech*” on page 71.

Section 3: Call Functions




This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information on call settings, see “*phone*” on page 77.

Making a Call

1. From the Home screen, tap  →  and use the on-screen keyboard to enter the number you wish to dial.
2. Touch **call** to make the call.



Making an International Call

1. From the Home screen, tap  → , then touch and hold . The + character appears.
2. Use the on-screen keyboard to enter the country code, area code, and phone number.
3. Touch **call** to make the call.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

After entering a number using the keyboard:


- If you make a mistake, touch  to erase a single character.
- Press and hold  to erase the entire string of numbers.

Ending a Call

To end a phone call, tap **end call**.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **call history**. If the number or caller is listed in your Address Book, the associated name is also displayed.

1. From the Home screen, tap . The **call history** list is displayed.
2. Tap on an entry to enter the contact's detail page, then tap **call number** or **call mobile**.

Making a Call from People

You can store phone numbers that you use regularly in the phone's memory. These entries are collectively called **People**.

For further details about using the **People** feature, see *"Dialing or Messaging from People"* on page 37.

Answering a Call


When a call is received the phone rings and displays the caller's phone number and name if stored in the Address Book.

1. At the incoming call screen, tap **answer** to answer the call or **ignore** to send the call to your voicemail.
2. Tap **end call** to end the call.

Note: You can answer a call while using other applications. After ending the call, the phone returns to the previously active function screen.

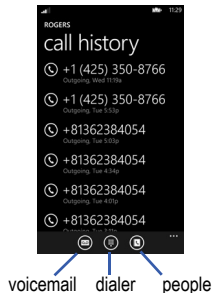
Call History

The phone stores the numbers of the calls you've dialed, received, or missed in the **call history**. The Call History displays the details of the call.

From the Home screen, tap .


Your Call History is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified under the Call History entry as Incoming, Outgoing, or Missed.



Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap .


A list of recent calls is displayed. If the number or caller is listed in People, the associated name is displayed.

2. Tap on an entry to enter the contact's detail page, then tap **call number** or **call mobile**.

Saving a Recent Call to People




1. From the Home screen, tap .

A list of recent calls is displayed.

2. Touch the call you want to save to People.
3. The call detail page is displayed. Tap **save** .

4. Tap **new contact** to add as a new contact or tap an existing contact to edit manually.

If this is a new contact, the EDIT PHONE NUMBER screen is displayed. The Phone number and Phone number type fields are automatically filled in with the information from the recent call. Touch the Phone number or the Phone number type field and use the keyboard to edit if necessary.



5. When finished, tap **done** .
6. The NEW CONTACT screen is displayed with the Phone number already added. Tap on the other fields to add name, other phone numbers, email, ringtone, and other information. When finished tap **done** .
7. Tap **save** .

For further details about the **People** feature, see “Adding a New Contact” on page 36.

Sending a Message to a Recent Call

1. From the Home screen, tap .

A list of recent calls is displayed.

2. Touch the call entry you want to send a message to.
3. The call detail page is displayed. Tap **text number** or **text mobile**.
4. Use the keyboard to type in a message.
5. To add additional recipients, tap the  icon at the top of the screen and select additional recipients from your contact list.
6. When you are done with your message, touch **send** .

For more information, refer to “Creating and Sending Text Messages” on page 55.

Deleting a Call from Call History

1. From the Home screen, tap .

A list of recent calls is displayed.

2. Touch and hold the call you want to delete from the Call log.


3. Touch **delete item**.

The call is deleted from the Call History.

Options During a Call

Your phone provides a number of control options that you can use during a call.

Adjusting the Call Volume







During a call, to adjust the earpiece volume, use the **Volume keys**  on the left side of the phone.

Press the **Up** (+) volume key to increase the volume level and press the **Down** (-) volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.




In-Call Options

During an active call there are several options available by tapping a corresponding on-screen button.





- **end call**: terminates the call.
- **keypad** : displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **more options** : allows you to access the following:
 - **speaker** : routes the phone's audio through either the speaker or through the earpiece. Tap to turn on the speakerphone. Tap again to turn it off.
 - **mute** : turn the onboard microphone either on or off. Tap to mute your phone during a call. Tap again it unmute.
 - **hold** : puts a call on hold. Tap to put the present call on hold. Tap again to reconnect.
 - **add call** : allows you to add another call to your present conversation.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap  then tap **hold** . The hold icon will change color. This action places the current caller on hold.
2. You can later reactivate this call by tapping  again.

Making a New Call During a Call in Progress

1. Tap  then tap **add call** . The call history screen is displayed.
2. Select a number from your recent calls, or tap  to dial a number. You can also tap  to enter a number from your contacts list. Enter the number to add and touch **call**.

Once connected, the active call will appear on the call screen and the call on hold will appear in a box at the top of your display.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap the bar at the top of your display to swap between the two calls.

The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear on the call screen.

2. Tap the bar at the top of your display again to swap back.


3. Tap **end call** to end the currently active call. The call on hold is then reconnected.

Answering a Call During a Call in Progress

1. There are several options available when a call is received when you have a call in progress. Tap one of the following:
 - **answer**: allows you to answer the incoming call and put the first call on hold.
 - **ignore**: sends the new call to your voicemail. The first call stays connected.
 - **end call + answer**: allows you to answer the incoming call and end the first call.
2. If you selected **answer**, tap the bar at the top of your display to swap between the two calls.

3-Way (Multi-Party) Calling

The 3-Way or Multi-Party feature allows you to make or answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together.

1. While connected to two different callers (one will be on hold), tap .
2. Tap **merge calls**.

The three calls are conferenced together and are displayed on the Conference screen.

3. Tap **end call** to end the conference call.

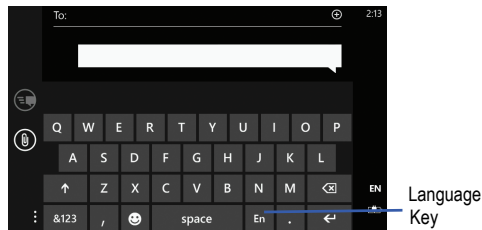
Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. It also describes the predictive text entry system that reduces the number of key strokes associated with entering text.

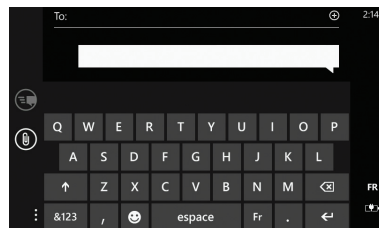
Your phone is equipped with an orientation detector that can tell if the phone is being held in a portrait (upright) or landscape (sideways) orientation. The landscape orientation makes entering text easier. Whether the phone is sideways or upright, an on-screen keyboard is displayed.

Language Selection

If more than one input language is selected in the keyboard's Input language settings, an icon is added to the right of the spacebar that changes the keyboard language. For more information, refer to “*keyboard*” on page 70.



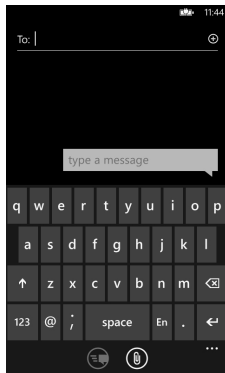
Tap the icon to cycle through the enabled keyboard languages.



Keys

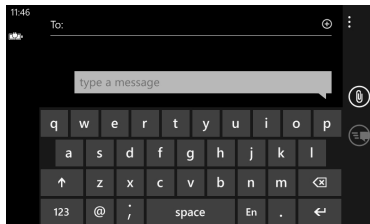
You can enter characters into your phone using the on-screen portrait or landscape keyboard. In both formats, the keys are associated with alphabetic letters, special characters, or numbers, as shown in the following layouts.

From a screen where you can enter text, for example the New Message screen, hold your phone in an upright position to display the portrait version of the on-screen QWERTY keyboard.



Create New Message
Portrait keyboard

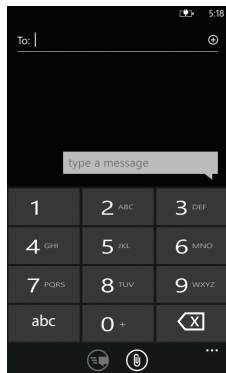
Rotate your phone counterclockwise to display the landscape version of the on-screen keyboard.



Create New Message
Landscape keyboard

Based on the default keyboard settings, the first letter of an entry is capitalized and all consecutive letters are lowercase unless you touch the Shift key (↵) or enter a period. After entering a character, the cursor automatically advances to the next space. For more information, refer to “*keyboard*” on page 70.

For certain fields, such as the New Message **To** field, a dialer keyboard is displayed when you touch the **123** key to enter a recipient's phone number. For more information, refer to “*Messaging*” on page 55.

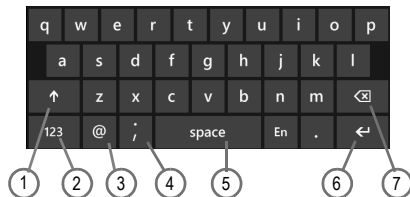


Create New Message
Number keyboard

Using the keyboard

This phone offers the convenience of an on-screen keyboard. Use the keyboard to type letters, numbers, punctuation, and other special characters into text entry fields or other applications.

The following keys perform special functions when entering text. Some keys may perform differently depending on the field in which text is being typed.



1. **Shift:** Used to switch between uppercase and lowercase characters.
2. **123 or &123:** Touch once to type special characters and numbers that appear on the QWERTY keys. Examples: \$, #, !, 1, 2. After all characters and numbers have been selected, press **abc** or **abcd**.
3. **@ or Comma:** Touch once to type the character displayed, which may be the @ character or a comma, depending on the field in which text is being typed.
4. **Semicolon or 😊:** Touch the semicolon to separate addresses or phone numbers. Touch 😊 to display two screens of Emoticons. Touch either ➡ or ⬅ to cycle

between the two Emoticon screens. Touch a character on the screen. After all characters have been selected, touch **abcd**.

5. **space**: Touch to insert an empty space.
6. **Enter**: Touch to move the insertion point to the next line in a message.
7. **Backspace**: Touch to delete the previous character, similar to the backspace key on a computer keyboard.

The keyboard provides keys labeled with alphabetic characters. Touch the key corresponding to the character you want to enter.

Changing the Text Input Mode


There are three main keyboard layout keys that change the on-screen keys within the keyboard.

The available Text Input modes are:



&123

Symbol and Number Mode: activates the symbol and number keys.

abcd

Alphabetic Mode: activates the default alphabet keys. Switch between uppercase and lowercase by touching the shift () key.




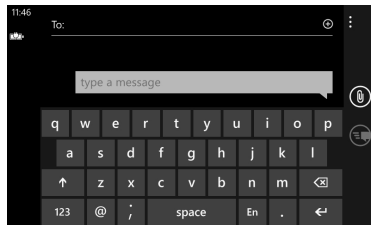
Emoticons: activates the Emoticon keys. Touch  or  to cycle between the two Emoticon screens.

Note: When in **abcd** mode, the **&123** key appears. When in **&123** mode, the **abcd** key appears.

Using Alphabetic Mode




Use Alphabetic mode to enter text (while creating a message, email, etc.).

1. Touch  at the bottom of the screen. A screen similar to the following displays:




The Text Input mode is initially set to **abcd** mode.

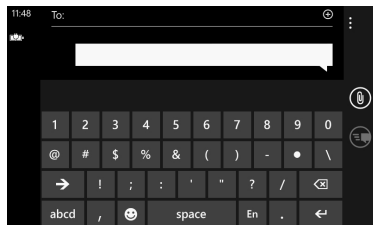
Note: Some Text Input screens display black keys on a light background.




2. Tap the desired alphabetic characters. After typing the first letter, the following letters are lowercase.
3. Tap  to input another uppercase letter. Tap  twice to switch to caps lock mode and the shift key changes to . All following letters are uppercase until you tap the shift key again.

Using Symbol and Numeric Mode

Use Symbol and Numeric mode to add numbers and symbols.


1. Touch  at the bottom of the screen. The following screen displays:

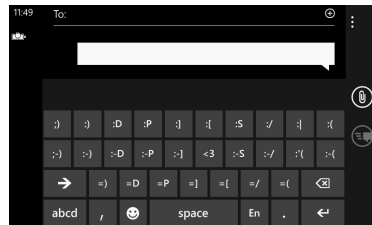


2. Tap the desired number and symbol characters.
3. Touch either  or  to cycle through additional pages.
4. Touch  to return to Alphabetic mode.



Using Emoticon Mode

Use Emoticon mode to add combinations of characters to your text input.

1. Touch  at the bottom of the screen. The following screen displays:



Note: Emoticons are not available for some input fields.

2. Touch either  or  to cycle between the Emoticon screens.

3. After all characters have been selected, press **abcd** to return to Alphabetic mode.

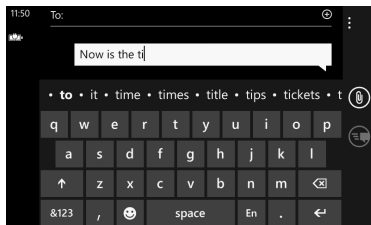
Using Text Suggestions

Based on your keyboard settings, your phone suggests alternatives to what you are typing, including correct spelling of words similar to what you are entering. For more information, refer to “*keyboard*” on page 70.


1. Touch a text input field.

Note: Text suggestion and spelling check are not available for some input fields.

2. Begin typing a word. A list of word options is displayed. Touch one of the words to replace the word that has already been typed or sweep across the list of words for more word suggestions.



If you replace the word, a space is entered after the word and the cursor automatically advances to the next space.

3. Continue typing. If you are typing a message or an email, touch **send** . For more information, refer to “*Messaging*” on page 55.

Keyboard Settings

You can customize the way your phone handles certain functions while you enter text. You can also remove all the words you have added to your suggestion list.



For more information, refer to “*keyboard*” on page 70.


Section 5: People

This section allows you to manage your contacts by storing their name, number, email, and other information in your phone using the People feature.

Importing SIM Contacts to Your Phone

You can import all contacts from your SIM card to your phone.

1. From the Home screen, tap  → **Settings**  → **applications** → **people**.
– or –

From the Home screen, tap **People** .


2. Tap **import SIM contacts**.

The phone then copies all contacts from your SIM card to your phone.

Note: The import SIM contacts option displays in the people menu if there are no contacts listed.

Deleting People Entries



You can delete People entries from your phone's memory. To delete any People entry:





1. From the Home screen, tap **People** .

2. Within the People list, touch and hold a contact that you want to delete.
3. Touch **delete** on the displayed list.
4. If there are linked profiles for the contact, the **CHOOSE A PROFILE TO DELETE** screen is displayed. Tap the profile that you want to delete.
5. At the **Delete contact?** prompt, tap **delete** to delete the contact or **cancel** to exit.

Adding a New Contact




Use the following procedure to store a new contact to your Address Book.

1. From the Home screen, tap **People** .
2. From the People screen, tap .
3. If desired, tap the **add photo** icon and assign a picture to the new entry. Select a picture from your photos or tap the  icon to take a new picture with your camera. Tap  when you have made a selection.

4. Tap **name** then tap the **First name** and **Last name** fields and use the on-screen keyboard to enter names for each entry. You can also scroll down to enter additional information (**Company, Middle name, Nickname, Title, Suffix**). For more information, refer to “*Entering Text*” on page 30.
5. When finished, tap .
6. Tap **phone** then tap the **Phone number** field. The numerical keypad is displayed. Enter a number.
7. Tap the **Phone number type** field and select a number type.
8. When finished, tap .
9. Tap **email** then tap the **Email address** field. The alphabetical keyboard is displayed. Enter an email address.
10. Tap the **Email address type** field and select an email type.
11. When finished, tap .
12. Tap **ringtone** then select a ringtone from the displayed list.
13. Tap **other** then select any fields that you would like to add to the contact.
14. Tap **Save**  to save the contact information.

Editing an Existing Contact


When editing an existing contact, you can touch a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **People** .
2. From the People screen, tap the contact that you want to edit.
3. At the contact profile screen, tap  at the bottom of the screen.
4. Tap the fields that you want to edit, then use the keyboard to make any changes.
5. Tap **Save**  to save the edited information.

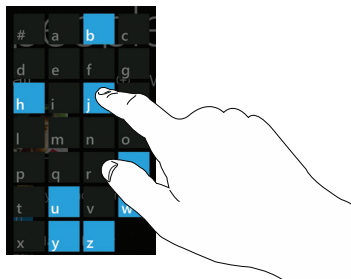
Using your People List

Dialing or Messaging from People

Once you have stored phone numbers in People, you can dial or message them quickly and easily.

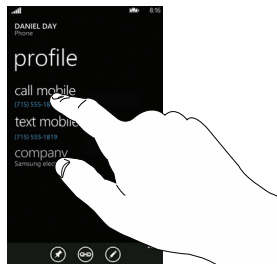
1. From the Home screen, tap **People** .
2. Within the People list (sorted alphabetically), tap any letter on the left side of the display to display all of the letters for which you have People information.

3. Touch a letter to quickly jump to the contacts beginning with that letter.



4. Touch the contact you wish to call or message.

5. To make a phone call, touch **call** and the type of phone to call (mobile, home, company, etc., depending on the types of phones you entered when the contact was created). To send a text message, touch **text mobile** and the type of phone.



For more information, refer to “*Creating and Sending Text Messages*” on page 55.

Linking Contacts

Linking Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a



corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Windows Live, Outlook, Google, and Facebook. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Hot mail, but also has a Facebook account under her maiden and married name, as well as a Google account, when you merge these accounts into your Contacts list you can link all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see “*Synchronizing Accounts*” on page 40.



1. From the Home screen, tap **People** .
2. Touch a contact name (the name you want to link to another entry). Typically, this is the same contact with a different name or account information.
3. Tap .

4. Tap **choose a contact**.
5. Touch the second contact entry (the entry in which to link).
The second contact is now linked with the first and the account information is merged into one screen.

Note: The information is maintained in the first entry that you selected.

6. Touch the linked contacts to view the contact information you linked. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Unlinking a Contact


1. From the Home screen, tap **People** .
2. Touch a contact name (the account name from which you want to unlink an entry).
3. Touch . A number will display over the link symbol showing how many contacts are linked to this contact. The names of all the contacts that are linked will be displayed.
4. Tap the contact you want to unlink.
5. At the prompt, tap **unlink**.

The contact is now “unlinked” and no longer displays in the merged record screen.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

To set up an account, follow these steps:



1. From the Home screen, tap **People** .
2. Sweep your screen to the left to display the **what's new** screen.
3. Tap **set up account**.
4. Touch an account type to add. Select **Windows Live**, **Outlook**, **Google**, **Facebook**, or **advanced setup** (used for accounts that use Exchange Active Sync).
5. Follow the on-screen instructions. The selected account type synchronizes with your Contacts list.

What's New

Synchronized accounts will display information on the **what's new** screen. For example, if you add your Facebook account, you can see what your contacts are posting.

Importing Facebook Contacts

When you add your Facebook account, your profile picture displays at the top of your People list. Tap the picture to go to your Facebook profile.

You can also import all of your Facebook contacts, creating a profile for new contacts and adding information from Facebook to to existing profiles, or limit imported Facebook contact information to the existing contacts already on your phone, depending on the setting chosen at  → **Settings**  → **applications** → **people** → **Include Facebook firends as contacts**.

If you choose the **Show all my Facebook friends** option, contact information from Facebook is added to your address book.

If you choose the **Only add Facebook info to existing contacts** option, additional information from Facebook is only displayed on the profile pages of your existing contacts.

1. From your **people** list, tap a contact entry.

Depending on the information available on Facebook, phone numbers, home addresses, company names, email addresses, birthdays, etc., are displayed. There is also a **write on wall** option.


2. Sweep the screen to the left on any contact profile to the **what's new** screen for that contact.

Posts for the contact are displayed. Scroll down the posts and tap **get older posts** to display additional posts.

For more information, refer to “people” on page 76.


Recent Activities

From the recent screen you can see the contacts that you viewed last.

1. From the Home screen, tap **People** .
2. Sweep your screen to the left twice to display the **recent** screen.
3. Tap a contact to see their profile.

People Options

You can access several options while viewing the details page for a specific entry.

1. From the Home screen, tap **People** .

2. Tap on a specific contact entry.
3. Tap one of the following options:



pin: Tap the pin icon to pin this contact to your Home screen.



link: Tap the link icon to link several contacts together. For more information, refer to “Linking Contacts” on page 38.



edit: Tap the edit icon to make changes in the contact's information.



delete: Tap the options icon and then tap **delete** to delete the contact from your contact list.



Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Music, Music Player, Video Player, Gallery, Camera, and Camcorder.

Music and Videos

This section explains how to access music, videos, podcasts, and radio on your phone. To get started, you have to get in Sync.

To get started downloading and playing music, videos, and podcasts on your phone:

1. From the Home screen, tap  → **Music + Videos** .
2. Sweep across the screen to the right or left to view the following:
 - **zune**: allows you to play music, videos, and podcasts downloaded from your PC. It also gives you access to the built-in FM radio and the music area of the online marketplace.
 - **history**: displays thumbnails that indicate songs or videos you have recently played. Tap the thumbnail to return to replay that song or video.
 - **new**: displays changes for the Zune software.

Using Zune To Stay In Sync

To sync your music, videos, pictures, and updates from your computer to your phone, or vice versa, you must first download and install the Zune software.

To download, install, and use the Zune software:

1. To download the Zune software on your computer, go to <http://www.zune.net> and click the link.
2. Connect your phone to your PC using the USB cable that came with your phone.
3. In the Zune software, click **collection**, and find the music, videos, pictures, or podcasts that you want to sync.
4. Drag the items to the phone icon in the lower-left corner of the Zune software.

Once you have Zune installed on your PC and you have downloaded music, videos, or podcasts, display the Zune menu to play them on your phone.

Zune Pass

Zune Pass is a monthly music subscription service. Some Marketplace content may not be available through Zune Pass and

may vary over time. On Xbox LIVE, Zune Pass allows for music streaming only and requires an Xbox LIVE Gold subscription (10 monthly song credits are still available for download on your PC, Windows Phone, or Zune media player). On your Windows Phone, the streaming feature requires wireless network access. Carrier fees may apply. For more information, go to <http://www.zune.net>.

Music

To play music files from Music + Videos:

1. From the Home screen, tap  → **Music + Videos** 
→ **zune** → **music**.

The **artists** category is displayed.

2. Sweep across the screen to the right or left to view more music categories.

The choices are: **artists**, **albums**, **songs**, **playlists**, and **genres**.

Depending on the chosen category, a thumbnail, the song name, the category, and the date created may be displayed for each file.

3. Touch and hold a thumbnail or song name to display the following options:

- **add to now playing:** adds the selected song to the list of songs currently playing.
- **pin to start:** allows you to add a tile on the Home screen for this song. For more information, refer to “Moving Tiles on the Home Screen” on page 22.
- **delete:** delete the song.

4. Touch the song that you want to play.

The song begins to play. The time information (time played and time remaining) displays below the album thumbnail.

5. The following controls are available:



Pause the music.



Restart the music after being paused.



Press and hold to rewind the song. Tap to restart the song from the beginning. Tap twice to play the previous song.



Press and hold to fast-forward the song. Tap to play the next song.

Videos

To play videos from the Music + Videos application:

1. From the Home screen, tap  → **Music + Videos** 
→ **zune** → **videos**.

The **all** video category is displayed.

2. Sweep across the screen to the right or left to view more video categories.

The choices are: **all**, **tv**, **music**, **movies**, and **personal**. Your personal videos (see “*Shooting Videos*” on page 51) are displayed in the **all** and **personal** categories. Other videos (**tv**, **music**, and **movies**) have to be downloaded from your PC.

A thumbnail, the video file name, the category, and the date created are displayed for each video.

3. Touch and hold a video to display the following option:
 - **pin to start**: allows you to add a tile on the Home screen for this video. For more information, refer to “*Moving Tiles on the Home Screen*” on page 22.
 - **delete**: delete the video.
4. Touch the video that you want to play.

The video begins to play in landscape mode. At the bottom of the screen the video file name, the video controls, and the time information (time played and total time) are displayed.

5. The following video controls are available:



Pause the video.



Start the video after being paused.




Touch and hold to rewind the video.



Touch and hold to fast-forward the video.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

6. Tap  to return to the thumbnails screen.

Podcasts

To play podcast files from Music + Videos:

1. From the Home screen, tap  → **Music + Videos** 
→ **zune** → **podcasts**.

The **audio** category is displayed.

2. Sweep across the screen to the right or left to switch to video podcast category.

Podcasts must be downloaded from your PC.

A thumbnail, the podcast name, the category, and the date created are displayed for each file.

3. Touch and hold a podcast to display the following option:
 - **pin to start:** allows you to add a tile on the Home screen for this podcast. For more information, refer to “Moving Tiles on the Home Screen” on page 22.
 - **delete:** delete the podcast.
4. Touch the podcast that you want to play.

The podcast begins to play in portrait mode. At the bottom of the screen the time information (time played and time remaining) and the podcast controls are displayed.

5. The following podcast controls are available:



Pause the podcast.



Start the podcast after being paused.



Rewind the podcast.



Fast-forward the podcast.

Radio

The built-in FM radio in your phone provides free music from your local radio stations.

To use the radio:

From the Home screen, tap  → **Music + Videos**  → **radio**.

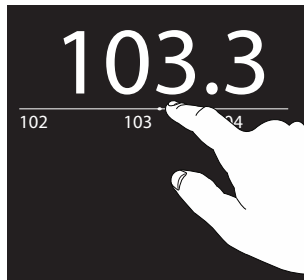
The **No antenna** message displays if you have not plugged in your headphones. Plug in your headphones to display the radio controls.

Note: A stereo headset is included with your phone.

To change the station:

Touch the slider under the current station number and drag

to the left or right.



– or –

Tap either end of the slider to speed through the stations.

– or –

Press the Volume Key to display the following controls:



Turn the sound off. This control also displays at the bottom of the screen.



Turn the sound on. This control also displays at the bottom of the screen.




To change to a lower station number.




To change to a higher station number.

Radio Station Favorites


To set a favorite station:

1. Set the station.
2. Touch  to save the station as a favorite.

To view your favorite stations:

1. Touch  to display your favorites list.
2. Touch a station in the list to change to that station.

To remove a favorite station:

1. Set the station.
2. Touch  to remove the station from the list of favorites.

Radio Options and Settings

To view additional radio options and settings:

Touch and hold below the slider.

The following options display:

- **pin to start:** add a tile for the current station to the main menu.
- **settings:** allows you to set the region for your FM radio. Choices are: North America, World, or Japan.

- **radio mode: speaker / headset:** allows you to listen to the radio with a headset or the phone speaker. The headphones must be plugged in even in speaker mode.

Pictures

The Pictures application is where you view photos and play back videos. You can also set photos as wallpaper or share them as a picture message.



Uploading To SkyDrive

Windows Live SkyDrive provides free storage so you can store photos online, share them with the people you choose, and access them from any web browser. Various options include **upload to SkyDrive** if you have set up a Windows Live email account.

For more information about SkyDrive, go to <http://explore.live.com/> and click on **SkyDrive**.

Accessing Pictures and Videos

When you take a photo or shoot a video, the file is saved so you can view your photos and videos at any time. To access photos and videos:

1. From the Home screen, tap  → **Pictures** .

The pictures screen displays. Touch and hold the screen to display the following options:

- **change background:** allows you to pick an existing photo and apply it as wallpaper to the pictures screen.
- **change it for me:** allows the phone to change and apply an existing photo as wallpaper to the pictures screen.

2. Touch **all**, **date**, or **favorites**.

Pictures and videos are displayed depending on which option you choose:

- **all:** thumbnails are displayed for groups of pictures such as Camera Roll, which contains taken photos and videos, and delivered photos. Other pictures are displayed depending on the accounts you have set up such as Windows Live or Facebook.
- **date:** thumbnails of all photos and videos are displayed in order of month and year created.
- **favorites:** displays thumbnails of all photos that you have marked as a favorite.

You can sweep across the screen to display the **all**, **date**, or **favorites** screens.

3. Touch and hold a thumbnail to display the following options:

- **delete:** delete the photo or video associated with the thumbnail.
- **share...:** share the photo with others. Options are:
 - **Messaging:** opens a New Message screen with the photo in-line. For more information, refer to “*Creating and Sending Multimedia Messages*” on page 56.

- **Email:** opens a New Email screen with the photo in-line. This option varies depending on how you have your email set up.
- **upload to SkyDrive:** upload the photo to SkyDrive (see “*Uploading To SkyDrive*” on page 47).
- **add to favorites:** adds the file to the Favorites list

Note: If your device displays a notice that the memory is full when you access **Pictures**, delete some of the files.

Viewing Pictures

Once you locate the photo you want to view:

1. Touch the thumbnail to view the picture.
2. While viewing a photo, touch two fingers to the photo and move them together or apart to zoom in or out.

– or –


Tap the screen twice to zoom in or out.

You can magnify the photo up to 400 percent.

Touch and drag a magnified photo to view areas that are not visible on the screen.

3. Sweep across the screen to the right or left to view more photos and videos.
4. Touch and hold a picture to display the following options:


- **add to favorites:** add the photo to your favorites.
- **delete:** delete the photo.
- **upload to SkyDrive:** upload the photo to SkyDrive (see “*Uploading To SkyDrive*” on page 47).
- **share...:** share the photo with others. Options are:
 - **Messaging:** opens a New Message screen with the photo in-line. For more information, refer to “*Creating and Sending Multimedia Messages*” on page 56.
 - **Email:** opens a New Email screen with the photo in-line. This option varies depending on how you have your email set up.
 - **upload to SkyDrive:** upload the photo to SkyDrive (see “*Uploading To SkyDrive*” on page 47).
- **use as wallpaper:** displays a box around the picture that indicates the wallpaper size. Touch and drag the picture to frame the area of the picture you want to use for wallpaper. Touch  to crop the photo and save it to the Wallpaper folder. For more information, refer to “*lock & wallpaper*” on page 68.





5. Tap  to return to the thumbnails screen.

Viewing Videos


To view a video:


1. Touch the thumbnail to view the video.

The first frame of the video displays indicating the length of the video in minutes and seconds (for example, 01:25). The play button  is also displayed.

2. Touch  to play the video. Touch  to pause the video playback. Touch and hold  to fast forward through the video or touch and hold  to rewind the video.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

3. Touch and hold a video to display the following option:
 - **delete:** delete the video.
4. Tap  to return to the thumbnails screen.

You can also play videos from **Music + Videos** . For more information, refer to “Videos” on page 44.

Camera

This section explains how to use the camera and the camcorder on your phone. You can take photographs and shoot videos by using the built-in camera functionality. Your 5 megapixel camera produces photos in JPEG format.

Adding a Location Tag To Your Pictures


The first time you open the Camera application, you are asked if a tag location can be added to your pictures. This allows you to see where your pictures were taken. If you are interested in this service:

1. Touch **Privacy Statement** to view the Windows Phone 7 Privacy Statement Highlights document.
2. Touch **allow** or **cancel** to accept or reject location tagging.

Note: You can also access the Privacy Statement from the Home screen by tapping  → **Settings** → **applications** → **pictures + camera** → **Privacy Statement**.

Camera and Camcorder Mode

To toggle between Camera and Camcorder mode:

Touch the Camera or Camcorder Mode icon ().




Once you change the mode, the corresponding settings appear. For more information, refer to “Camera and Camcorder Settings” on page 51.

Taking Photos



Taking photos with your device's built-in camera is as simple as choosing a subject, pointing the camera, and pressing the camera key.

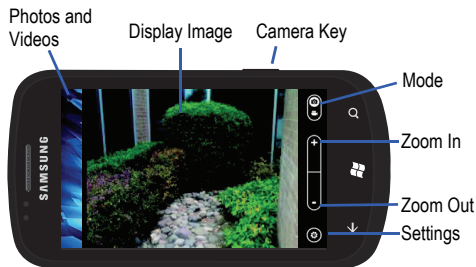
Important!: Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

To activate the camera mode:

1. From the Home screen, tap  → **Camera** .
– or –
Press the Camera key ().
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

3. Before you take a photo, touch **+** and **-** to zoom in or out. You can magnify the picture up to 400 percent.
4. If desired, before taking the photo, you can touch the Photo Camera Settings icon () to access various camera options and settings. For more information, refer to “Camera and Camcorder Settings” on page 51.
5. Press lightly on the Camera key until the focus indicators at the centre of the screen stop flashing and a “beep” sound indicates that focus has been achieved.
6. Press the Camera key () until the shutter sounds.




Automatically Sharing Pictures Online

If you are signed in to your Windows Live account, when you view your first photo or video (sweep screen to the right) you are asked if you want to **Automatically share pictures online?**



Warning! This will use your data plan and may incur charges.

1. Touch **choose an option**, then touch one of following options:
 - **friends**: to share your pictures only with friends.
 - **me**: to make your pictures available only to you.
 - **everyone (public)**: to let everyone view your pictures.
 - **don't upload**: to keep your photos from being uploaded to SkyDrive (see *“Uploading To SkyDrive”* on page 47).
2. Touch **ok**. Pictures taken will be uploaded to SkyDrive.


Note: You can also change this setting at any time at  → **Settings** → **applications** → **pictures + camera** → **Auto upload to SkyDrive**.




Shooting Videos

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the Home screen, tap  → **Camera** .


– or –

Press the Camera key ().

2. Touch the Mode icon () to switch to Camcorder mode ().
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
4. Press the Camera key () to begin shooting video.
5. Press the Camera key to stop the recording and save the video file to your Pictures folder.




Camera and Camcorder Settings

To access various camera and camcorder options and settings:



Touch the Settings icon (). The Photo Camera Settings or Video Camera Settings screen displays.

The following options appear for the camera only:

- **AF Mode**: allows you to set the auto focus. Choices are: Macro and Normal.
- **ISO**: determines how sensitive the image sensor is to light. The choices are: Auto, 50, 100, 200, 400, or 800.

- **Metering:** refers to the way the camera calculates the exposure for a picture. Choices are: Matrix, Center Weighted, or Spot.
- **Photo Quality:** allows you to set the photo quality to Low, Medium, or High. Higher quality requires more storage space.
- **Wide Dynamic Range:** turn this option on to overcome large difference in foreground and background light levels.
- **Photo Resolution:** allows you to set the image size to either: VGA (640x480), 2M (1600x1200), 3M (2048x1536), or 5M (2560x1920). Larger size requires more storage space.
- **Anti-Shaking:** turn this option on to improve image clarity when your hands are shaking or when your subjects are moving.
- To set the camera flash, touch  to turn the flash on,  to turn the flash off,  to set the flash to automatic (turns on when the exposure meter determines it is required).

The following options appear for the camcorder only:

- **Video Quality:** allows you to set the video quality to Low, Medium, or High.
- **Video Resolution:** allows you to set the video size to either: VGA or 720p HD (24 fps).
- To set the camcorder light, touch  to turn the light on,  to turn the light off.

The following options appear for the camera and the camcorder:

- **White Balance:** allows you to set this option to one of the following choices: Automatic, Incandescent, Fluorescent, Daylight, or Cloudy.
- **Image Effect:** allows you to change the color tone or apply special effects to the photo. Options include: None, Mono, Negative, Sepia, Antique, Green, or Blue.
- **Contrast:** allows you to adjust the contrast: Options are: Minimum, Low, Medium, High, and Maximum.
- **Saturation:** allows you to control the intensity of the hues in your photo or video. Options are: Minimum, Low, Medium, High, and Maximum.
- **Sharpness:** allows you to control the sharpness in your photo or video. Options are: Minimum, Low, Medium, High, and Maximum.
- **EV:** helps you avoid images that are underexposed (too dark) or overexposed (too light). Choose +1 or +2 to make the image lighter, -1 or -2 to make the image darker.
- **Restore to default:** touch this option to restore all setting to the default values.

Viewing Photos and Videos

To view photos and videos while in Camera:

1. Drag the photo or video at the left of the display area onto the display area. Sweep across the screen to the right to

view more photos and videos. You can also touch two fingers to a photo and move them together to allow continuous scrolling of all photos at reduced size.

2. While viewing a photo, touch two fingers to the photo and move them together or apart to zoom in or out. You can magnify the photo up to 400 percent.

Touch and drag a magnified photo to view areas that are not visible on the screen.






3. To play videos, touch . Touch  to pause the video playback. Touch  to fast forward through the video or touch  to rewind the video.
4. Sweep across the screen to the left or press the Camera key () to return to the viewfinder.

Photo and Video Options


When you view a photo or video, you can access and use various options.


1. Touch and hold on a picture or video while viewing.

The following options display for photos and videos:

- **delete:** delete the photo or video.



These additional options display for photos:

- **add to favorites:** add the photo to your favorites. For more information, refer to “*Pictures*” on page 47.
- **upload to SkyDrive:** upload the photo to SkyDrive (see “*Uploading To SkyDrive*” on page 47).
- **share...:** use this option to share the photo with others. Options are:
 - **Messaging:** opens a New Message screen with the photo in-line. For more information, refer to “*Creating and Sending Multimedia Messages*” on page 56.
 - **Email:** opens a New Email screen with the photo in-line. This option varies depending on how you have your email set up.
 - **upload to SkyDrive:** upload the photo to SkyDrive (see “*Uploading To SkyDrive*” on page 47).
- **use as wallpaper:** displays a box around the picture that indicates the wallpaper size. Touch and drag the picture to frame the area of the picture you want to use for wallpaper. Touch  to crop the photo and save it to the Wallpaper folder. For more information, refer to “*lock & wallpaper*” on page 68.

2. Tap  or tap the screen to close the options list.

Accessing Photos and Videos






When you take a photo or shoot a video, the file is saved in the Pictures folder. You can view your photos and videos immediately or view them anytime in the Pictures folder.

From the Home screen, tap  → **Pictures** 
→ **all, date, favorites**.

For more information, refer to “*Pictures*” on page 47.

Assigning an Image to a Contact






The Camera is also used to create an image that can be assigned to the profile of one of your contacts or to your Me profile.

1. From the Home screen, touch  → **People**  → **<contact> → edit** .
2. Touch **add photo** → **camera** .
3. Select a photo or rotate your phone to landscape mode, take a photo, and touch **accept**.
4. While viewing a photo, touch two fingers to the photo and move them together or apart to zoom in or out within the crop area. Touch and drag the photo to move it within the crop area.
5. Touch **crop**  to assign the cropped photo to the contact.

For more information, refer to “*People*” on page 36.

Assigning a Photo as Wallpaper

You can assign a photo as wallpaper immediately (see “*Photo and Video Options*” on page 53) or by the following alternative methods:

1. From the Home screen, tap  → **Pictures**  → **all, date, favorites**.
– or –
From the Home screen, tap  → **Settings**  → **lock & wallpaper** → **change wallpaper**.
2. Touch **Camera Roll** then touch the photo you want to use as wallpaper.
3. touch two fingers to the photo and move them together or apart to zoom in or out within the crop area. Touch and drag the photo to move it within the crop area.
4. Touch **crop**  to assign the cropped photo as wallpaper.

For more information, refer to “*lock & wallpaper*” on page 68.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages


Your phone provides the following message types:

- Text Messages
- Multimedia (Picture) Messages
- Email Messages

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.


The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (picture messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important!: When creating a message, adding an image to a text message changes the message from a text message to a multimedia message.

When messages are received, the number of messages is displayed in the Messaging icon  on the Home screen.


Creating and Sending Text Messages

To create a new message and send it to another mobile phone or an email address:

1. From the Home screen, touch **Messaging** .


– or –


Touch  → **Messaging** .

2. Touch **new** .


3. Enter a recipient. Touch the **123** key on the on-screen keypad to enter a phone number.

– or –

Tap on the  button to the right of the **To** field to select a recipient from your People list. Valid entries must have a wireless phone number. Contacts with only an email address are not listed.

4. Tap the  button to add additional recipients from your Contacts list. Each contact is placed in the **To** field separated by a semicolon (;).
– or –
Add more recipients by touching the recipient field.






Note: Each additional recipient entry must be separated by a semicolon (;).



5. To remove recipients, tap the entry in the **To** field then tap **remove**. You can also select **open** to open the contact's profile or **cancel** to return to the New Message screen.
6. Touch the **type a message** box and use the on-screen keyboard to type your message. For more information, refer to “*Entering Text*” on page 30.
7. Review your message and touch **send** .

Note: If you exit a message before you send it, the message is not saved.



Creating and Sending Multimedia Messages

A multimedia message is a message that contains a picture. To create a multimedia message and send it to another mobile phone:

1. From the Home screen, touch **Messaging** .
– or –
Touch  → **Messaging** .
2. Touch **new** .
3. Tap on the **To** field or touch the  button to the right of the **To** field to enter a recipients.

For more information, refer to “*Creating and Sending Text Messages*” on page 55.
4. Touch **attach**  to choose a picture. Sweep the screen to choose from all, by date, or favorites.
5. Touch the picture you want to attach to your message.
– or –
Touch **camera**  to take a photo with the phone's camera and then add it to your message by touching **accept**. Touch **retake** to discard the photo and take another.

For more information, refer to “*Camera*” on page 49.
6. Touch the **type a message** box and use the on-screen keyboard to type your message. For more information, refer to “*Entering Text*” on page 30.

7. Touch **remove**  to remove an attachment from the message.
8. Review your message and touch **send** .




Messaging Conversations

Any messages you have sent or received can be viewed in the Messaging Conversations list.

Sent and received text and multimedia messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the bottom.

Displaying a Messaging Conversation

To view a conversation in the Messaging Conversations list:



1. From the Home screen, touch **Messaging** .
– or –
Touch  → **Messaging** .

The Messaging Conversations list displays any messages you have sent or received.

All messages to or from another phone or email address are grouped in one conversation. Entries in the Messaging Conversations list contain the recipient's phone number, contact name, or email address, the time that the last message was received or sent, and the first words of the message.

An entry for Conversations with multiple recipients starts by indicating the number of recipients (such as **3 recipients**) and then the recipients are listed.


2. Touch an entry in the list.

The Messaging Conversation is displayed. Each message to or from the recipient, and the time that the message was sent or received, is shown in a message box. Messages sent to you are shown in a From message box . Messages that you sent are shown in a To message box .

3. Touch the **type a message** box and use the on-screen keyboard to type a reply message to the recipient. For more information, refer to “*Entering Text*” on page 30.


Viewing a Picture Attachment

To view a picture attached to a message:

1. Touch an entry in the Messaging Conversations list.
2. Locate the message box that contains the picture attachment.
3. Touch the picture to open the picture viewer and display the picture. Touch the picture with two fingers and drag outward to zoom in or drag toward the center of the picture to zoom out.
4. Touch  to return to Messaging Conversations.

Deleting a Messaging Conversation


To delete a Messaging Conversation:

1. From the Home screen, touch **Messaging** .
- or –

Touch  → **Messaging** .

The Messaging conversations list displays any messages you have sent or received.

2. Touch and hold a message in the list, then touch **delete**.
- or –

Touch a message in the list, then touch  → **delete conversation**.

3. Touch **delete** to delete all messages in the conversation or touch **cancel** to return to Messaging conversations.

Deleting a Message

To delete a message in a Messaging Conversation:


1. Touch and hold the message box that contains the message you want to delete.
2. Touch **delete** to display the Delete message? screen.
3. Touch **delete** to delete the message or touch **cancel** to return to the Messaging Conversation.

Forwarding a Message


To forward a message in a Messaging Conversation:

1. Touch and hold the message box that contains the message you want to forward.
2. Tap **forward**.

The New Message screen displays with the contents of the selected message included.





3. Tap on the **To** field or touch the  button to the right of the **To** field to enter a recipients.

For more information, refer to “*Creating and Sending Text Messages*” on page 55.

4. Touch the message box and use the on-screen keyboard to type additional text.
5. Touch **send**  to forward the message.

Messaging Settings

To view and change messaging settings:

1. From the Home screen, touch **Messaging** .
– or –
Touch  → **Messaging** .
2. Touch  to display options.
3. Touch **settings**.

The following options are displayed:




- **SMS delivery confirmation**: when this option is activated, the network informs you whether your message was delivered.
- **SMS center number**: allows you to enter the number of your message center where your messages reside while the system is attempting to deliver them.

Warning!: Check with your mobile operator before changing the SMS center number.

Using Email

Email enables you to review and create email using Windows Live™, Outlook, Yahoo!® Mail, Google, and other email services. You can also receive text message alerts when you receive an important email.

Setting Up an Email Account

1. From the Home screen, touch **Email setup** .
– or –
Touch  → **Settings**  → **email & accounts** → **add an account**.

The Add an Account screen displays with the possible email service choices.

2. Touch an email service.
3. Enter your email address in the **Email address** field.
4. Enter your password in the **Password** field.
5. Touch **sign in**.

6. If your email information is found, your account information is saved. If **Attention required** is displayed, touch the account, correct your **User name** and **Password**, and touch **save**.
7. For Outlook, enter the **Domain** and touch **sign in**.
If you think your information is incorrect, touch **try again**.
Otherwise, touch **advanced**, enter the **Server**, and touch **sign in**.

Advanced Email Setup

For some email accounts, such as Outlook, entering your email address and password may not be enough information. You may need to enter additional information.

1. Touch **advanced setup**.

The ADVANCED SETUP screen is displayed.


2. Enter your email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. Touch next.
5. Touch **Exchange ActiveSync** or **Internet email account**, depending on the kind of account you want to set up.

Note: If you are not sure which option to choose, check with your service provider.

6. On the EXCHANGE ACTIVESYNC screen, enter the **Domain** and **Server** information and adjust any other information as necessary.
– or –
On the INTERNET EMAIL ACCOUNT screen, enter the **Incoming email server** and **Account type** information and adjust any other information as necessary.
7. Touch **sign in**.

Important!: Connection of this program requires POP access. If you are not able to sign in with your correct email address and password, you may not have POP access. Launch the Web browser to access your account.

Checking Your Email

When you have new email, a number is displayed in the Email icon  on the Home screen. To check your email:

1. From the Home screen, touch the email icon of the account you want to check (Hotmail for example).
The Inbox screen displays all emails in your inbox.

2. Touch **all**, **unread**, or **urgent** to view specific emails.
– or –

Sweep the screen to display all, unread, or urgent emails.

A list of emails is displayed. For each email, the sender's name, the day the email was sent, the subject of the email, and the first words of the email are displayed.

3. Touch an entry in the list to open an email.



Email Folder Options

The Inbox is one of many email folders. The options available while viewing a folder are located at the bottom of the screen. The options are:



new: create a new email.



select: display the emails in this folder so they can be marked. Touch to the left of an email in list to mark it with a checkmark. Once you have marked the emails, touch: **delete** , **move** , **mark as read**, **mark as unread**, **set flag**, **complete** or **clear flag**.



folders: display folders. Touch **show all folders** to display a list of folders: **inbox**, **drafts**, **outbox**, **sent items**, **deleted items**, and so on.




sync: synchronize your emails. For more information, refer to “Syncing Your Email Account” on page 64.



settings: displays the **sync settings** for this email account. For more information, refer to “Email Account Settings” on page 63.

Touch **Always bcc myself** to send a copy of outgoing messages to yourself.

Touch **Use an email signature** to add an email signature to your emails. Touch the signature field and use the on-screen keyboard to create your signature. Touch  to save your signature.

add email account: displays the ADD AN ACCOUNT screen.

Touch and hold an email entry in the list to display the options **delete**, **mark as unread**, **move**, **set flag**, or **clear flag**, which is applied only to that one email.

Note: Depending on the email service, some of these options may differ or may not appear.

Reading Emails

When you touch an email entry in a folder, such as the Inbox, the email displays. Sweep up and down the screen to move through the email. Sweep across the screen to view the email. touch two

fingers to the screen and move them together or apart to zoom in or out.

The options available while viewing an email are located at the bottom of the screen. The options are:



respond: allows you to **reply**, **reply all** or **forward**. In either case a new email is started that contains the current email information.



delete: delete the email being viewed.



newer: display the next email in the current folder that was received at a more recent time.



older: display the next email in the current folder that was received at a later time.



mark unread: mark the current email as unread.




move: move the current email to another folder.

toggle flag: turn email flag on or off.

Note: Depending on the email service, some of these options may differ or may not appear.

Creating and Sending an Email

To create a new email message and send it to another email address:

1. From the Home or Applications screen, touch an email icon, such as **Hotmail** .
2. Touch new .
- The New Email Message screen displays.
3. Tap on the **To** field to manually enter a recipient. Use the on-screen keyboard to enter an email address.
— or —
Tap on the  button to the right of the **To** field to select a recipient from your Contacts list. Valid entries must have an email address.
4. To add more recipients, repeat the previous step. Each contact is placed in the **To** field separated by a semicolon (;).

Note: Each additional recipient entry must be separated by a semicolon (;).

5. Touch the **Subject** field and use the on-screen keyboard to enter a subject for your email.

6. Touch the body of the email and use the on-screen keyboard to enter your message. For more information, refer to “*Entering Text*” on page 30.

The options available while creating an email are located at the bottom of the screen. The options are:



send: after you review your message, touch send to deliver it.



attach: allows choose a picture file. Sweep the screen to choose from all, by date, or favorites.



close: allows you to **Save** the email to the drafts folder, **Discard** the email, or **Cancel** and keep editing the email.





priority: allows you to set the email's priority to **high**, **normal**, or **low**.

show cc & bcc: allows you copy and blind copy additional recipients. Add recipients in these fields the same way To recipients are added.

Adding a Windows Live Account

When you set up a Windows Live account, besides setting up an email account you can download apps, play Xbox LIVE games, and more.

1. From the Home screen, touch  → **Settings**  → **email & accounts** → **add an account** → **Windows Live**.

The BEFORE YOU SIGN IN... screen displays.

2. Touch **next**.
3. Enter your **Windows Live ID** using the on-screen keyboard.
4. Enter your password in the **Password** field.
5. Touch **sign in**.

The Connecting to Windows Live ... screen displays and then the email & accounts screen displays with Windows Live listed and Syncing.

Email Account Settings

Once your email account is set up, you may want to adjust some of your settings.

1. Touch  → **Settings**  → **email & accounts**.
2. Touch the email account (for example, Hotmail).

The settings screen for your email account displays.

3. Touch the field that contains the information you want to change.

The fields on this screen are:



- **Account name:** use this field to change the name that appears on your phone for this account.

- **Email address:** displays the email address for this account.
- **Download new content:** allows you to set how often you want your phone to download new emails for this account. Possible values are: **as items arrive**, **every 15 minutes**, **every 30 minutes**, **hourly**, and **manually**. If you choose **manually**, see “*Syncing Your Email Account*” on page 64.
- **Download email from:** allows you to limit the email downloaded to your phone for this account. Possible values are: **the last 3 days**, **the last 7 days**, **the last 2 weeks**, **the last month**, **any time**.
- **Content to sync:** indicates which content to synchronize between your phone and the account, such as **Email**, **Contacts**, **Calendar**, etc.
- **Your name:** this is the name that appears on your messages.
- **Incoming email server:** the POP server that delivers your email.
- **User name:** displays your user name.
- **Password:** displays your password.
- **Outgoing (SMTP) email server:** the SMTP server you use to send email.
- **Outgoing server requires authentication:** place a check mark in the box if yes, remove if no.
- **Use the same user name and password for sending email:** place a check mark in the box if yes, remove if no.

Note: Depending on the email service, some of these screens may not appear. Some fields on this screen should not be changed without consulting your service provider.



Syncing Your Email Account

In order to view email messages on your phone for any email account, content has to be downloaded to your phone. *Syncing* is simply downloading content from your email provider and storing it on your phone. Use the following method if you choose to download new content manually:

1. From the Home screen, touch  → **Settings**  → **email & accounts**.
2. Touch and hold the email account that you want to sync.
An option list displays.
3. Touch **sync**.
Syncing is displayed while new content is downloaded.

Deleting an Email Account

To delete email accounts other than Windows Live:

1. From the Home screen, touch  → **Settings**  → **email & accounts**.
2. Touch and hold the email account that you want to delete.

An option list displays.

3. Touch **delete**.



A warning screen is displayed.

4. Touch **delete** to delete the account or **cancel** to return to the email & accounts screen.

Section 8: Changing Your Settings



This section explains the settings options for your phone. It includes such settings as: sounds, display, security, communications, and many more.




The Settings menu is divided into System settings and Applications settings.

1. From the Home screen, tap  → **Settings** . The System Settings screen displays.
2. To access Applications Settings, sweep the screen to the left. The Applications Settings screen displays.

System Settings



ringtones & sounds

1. From the Home screen, tap  → **Settings**  → **System** → **ringtones & sounds**.
2. From the **Ringer** field, touch and drag the slider to the right to turn the ringer **On**.
3. From the **Vibrate** field, touch and drag the slider to the right to turn the Vibrate feature **On**.
4. Tap the **Ringtone** field, then choose a ringtone.

5. Tap the **New text message** field, choose an alert type (none, or Alert 01-10), then press .
6. Tap the **New voicemail** field, then choose an alert type (none, or Alert 01-10), then press .
7. Tap the **New email** field, then choose an alert type (none, or Alert 01-10), then press .
8. Tap one of the checkboxes to **Play a sound for**:
 - **Appointment reminders**: plays a sound when there is a scheduled appointment.
 - **Key press**: plays a sound when you press a key.
 - **Lock and unlock**: plays a sound when you lock or unlock a function.
 - **All other notifications**: plays a sound for all other notifications.

theme

Using the theme setting you can change the background and accent color for the screen.

1. From the Home screen, tap  → **Settings**  → **System** → **theme**.
2. Tap the **Background** field and select **dark** or **light**.



3. Tap the **Accent color** field and select a color.

Note: Battery power is consumed at a faster rate when the background is set as **light**.

airplane mode



Airplane mode allows you to use many of your phone's features, such as Camera or Games, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important!: When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap  → **Settings**  → **System** → **airplane mode**.
2. Touch and drag the slider to the right to turn the airplane mode **On**.



Note: When you turn on airplane mode, cellular data mode is automatically deactivated.

Wi-Fi

1. From the Home screen, tap  → **Settings**  → **System** → **Wi-Fi**.
2. Touch and drag the slider to the right to turn Wi-Fi **On**.



For more information, refer to “Wi-Fi” on page 83.

Bluetooth



1. From the Home screen, tap  → **Settings**  → **System** → **Bluetooth**.
2. Touch and drag the slider to the right to turn Bluetooth **On**.

For more information, refer to “Bluetooth” on page 84.

email & accounts

1. From the Home screen, tap  → **Settings**  → **System** → **email & accounts**.

Adding an email account



1. From the Home screen, tap  → **Settings**  → **System** → **email & account**.
2. Tap **add an account**.
3. Select an account, read the Terms of use, then sign in.

The email account is added as an active email account.

For more information, refer to “Setting Up an Email Account” on page 59.



lock & wallpaper

From this menu you can change the wallpaper, set a time-out screen that locks the phone after a specific amount of time, and set up the phone to require a 4-digit password to unlock the phone.

1. From the Home screen, tap  → **Settings**  → **System** → **lock & wallpaper**.
2. Tap **change wallpaper**, then choose a picture from **Camera Roll** or **Wallpapers**.
3. Tap the **Screen time-out** field and select a screen time-out time. Selections are: **30 seconds**, **1 minute**, **3 minutes**, or **5 minutes**.
4. Touch and drag the **Password** slider to the right to turn the password requirement mode **On**.
5. Tap the **New password** field and enter a 4-digit password.
6. Tap the **Confirm password** field and re enter the 4-digit password and tap **done**.

location



The Location settings allow you to activate location services so applications such as Maps can access your location information.

1. From the Home screen, tap  → **Settings**  → **System** → **location**.
2. Touch and drag the **Location services** slider to the right to turn the location mode **On**.

cellular


Enabling this feature allows you to turn data connection on or off, choose whether to use data features when you are roaming, set whether network selection is automatic or manual, and enter APN (Access Point Name) settings.

Important! Roaming charges may apply when using data features. Contact your Service provider for details.

1. From the Home screen, tap  → **Settings**  → **System** → **cellular**.
2. Touch and drag the **Data connection** slider to the right to turn the data connection mode **On**.

Note: Activating the Data network automatically turns off airplane mode.



3. Tap the **Data roaming options** field and select **roam**, or **don't roam**.

4. Tap Network selection and select **automatic** or **tap to select**.
5. Tap **add apn**.
6. Enter the **APN** (Access Point Name), **User name**, and **Password** information.
7. Tap  to save your changes.

date & time

This menu allows you to decide if you want the date and time automatically set, or if you want to enter the date and time manually. You also configure the phone to use a 12-hour or 24-hour format.

To configure the way the date and time display on the phone:



1. From the Home screen, tap  → **Settings**  → **System** → **date & time**.
2. Touch and drag the **Set automatically** slider to the right to turn this feature **On**. The date and time automatically display.
3. Touch and drag the **24-hour clock** slider to the right to turn this features **On**.
When turned Off, the 12-hour clock displays.

Manually setting the time and date

1. Touch and drag the **Set automatically** slider to the left to turn it **Off**.
2. Tap the **Time zone** field and select a time zone from the list.
3. Touch the **Time** field and flick the hour and minute fields until the desired time displays, tap the time to enter it into the field, then tap **done**.
4. Tap the **Date** field and flick the **Day**, **Month** and **Year** fields until the desired date/year displays, tap the date/year to enter it into the field, then tap **done**.

brightness

This menu lets you select automatic brightness level adjustment or manually set a brightness level.

1. From the Home screen, tap  → **Settings**  → **System** → **brightness**.
2. Touch and drag the **Automatically adjust** slider to the right to turn it **On**.
The phone automatically adjusts brightness on the display.

To manually adjust the brightness level:



1. Touch and drag the **Automatically adjust** slider to the left to

turn it **Off**. The Level field activates.

2. Tap the **Level** field and select a level. Selections are: **low**, **medium**, or **high**.

keyboard

From this menu you can configure how the keyboard interacts when messaging (such as capitalizing the first letter of a sentence, correcting misspelled words, suggesting words when misspelled words are detected, and more).

1. From the Home screen, tap  → **Settings**  → **System** → **keyboard**.
2. Configure the keyboard settings by selecting one or more of the following:
 - Suggest text and highlight misspelled words.
 - Correct misspelled words.
 - Insert a space after selecting a suggestion.
 - Insert a period after double-tapping the SPACEBAR.
 - Capitalize the first letter of a sentence.A check mark indicates selection.

– or –

To reset all settings to the default values, tap **reset text suggestions**.



3. Tap the **Keyboard languages** field, tap one or more desired language, then tap **done**.

Note: Selecting more than one keyboard language adds a language selection key to the keyboard. For more information, refer to “*Language Selection*” on page 30.

region & language

This setting allows you to configure the language in which to display the menus or certain keyboard options.



Note: Some of the settings require you to restart your phone.

1. From the Home screen, tap  → **Settings**  → **System** → **region & language**.
2. Tap the **Display language** field and select a language.
3. Tap the **Region format** field and select a region.
4. Tap the **Short date (sample)** field and select a date format.
5. Tap the **Long date (sample)** field and select a date format.

6. Tap the **First day of week** field and select a day to begin the calendar.
7. Tap the **System locale** field and select a location.
8. Tap the **Browser & search language** field and select a language.

speech

These settings determine if audio will play as a confirmation, if you can use speech when the phone is locked, and enables speech recognition over the network.

1. From the Home screen, tap  → **Settings**  → **System** → **speech**.
2. Tap one of the following to configure settings:
 - **Play audio confirmations.**
 - **Use Speech when the phone is locked.**
 - **Enable speech recognition over the network.** This setting is required for web search using voice. When selected, all voice commands are sent to Microsoft to provide and improve the service.

For more information, refer to “Speech Engine” on page 23.

find my phone

To use this feature you must set up a Windows Live ID and then sign in at windowsphone.live.com. Once you sign in, click on FIND MY PHONE.

Note: If you have an Xbox LIVE, Zune, Hotmail, or Messenger ID, you have a Windows Live ID.

On the Find My Phone web page, you can:



Map it: allows you to see your phone's approximate location on a map.

Ring it: rings your phone for one minute using a special ringtone even if it is on silent or vibrate mode.

Lock it: locks your phone so that nobody else can use it. You can also put a "please return" note on the screen.

Erase it: removes all the information on your phone and resets it to the factory settings.



On your phone, the following options are available.

1. From the Home screen, tap  → **Settings**  → **System** → **find my phone**.
2. Tap one or both of the following settings (a check mark indicates on):
 - **Save my location periodically for better mapping.**

- **Get results faster (may use more battery).**

phone update



These settings determine whether your phone notifies you when operating system updates are available if it checks for updates using your cellular data connection as well as Wi-Fi and when connected to your computer.

1. From the Home screen, tap  → **Settings**  → **System** → **phone update**.
2. Tap **Notify me when new updates are found** if you want to be notified when updates are available.
3. Tap **Use my cellular data connection to check for updates** if you want the phone to automatically check using your data connection.

Important!: This setting will use your Wi-Fi connection to check for updates when your phone is connected to the computer.

about

This feature displays information about your device such as the Name, Model, Software, Total Storage, and Available Storage.

1. From the Home screen, tap  → **Settings**  → **System** → **about**.



2. Tap **more info** to view OS version, Firmware revision number, Hardware revision number, Radio software version, Radio hardware version, Bootloader version, and Chip SOC version.
3. Tap the **Get help** link for additional help using this feature.
4. Tap **Terms of Use** to view the Windows Phone Terms of Use.
5. Tap **Privacy Statement** to view the Windows Phone 7 Privacy Statement.
6. Touch **reset your phone** if you wish to reset to the factory default settings.

Caution!: After resetting your phone, you must not remove the battery until rebooting is complete.

Note: When you reset your phone, all settings and data are initialized.

feedback

When enabled, this feature sends feedback to help improve function for this device.



1. From the Home screen, tap  → **Settings**  → **System Settings** → **feedback**.

2. Touch and drag the slider to activate the **Send feedback** feature.
3. Tap **Use my cellular data connection to send feedback** if this is desired.
Feedback data is sent at the next opportunity.
4. Tap **Privacy Statement** to view the statement.

Application Settings

games

The games setting allows you to connect with Xbox LIVE.

1. From the Home screen, tap  → **Settings**  → **applications** → **games**.
2. Touch and drag the slider right to activate the **Connect to Xbox LIVE** feature.
3. Tap the **Xbox LIVE privacy Settings** to view and configure privacy settings.



Internet Explorer

From this menu you configure your internet settings. You can allow cookies on the device, allow Bing to suggest web addresses, and you can decide if you want the browser to display mobile versions

or desktop versions of web pages. You can also delete all browsing history.



Cookies are typically placed on your device when you browse and contain both site information as well as personal information (such as a username and password) which can pose a security risk if not properly managed.

If activated, the Bing search engine will automatically suggest web addresses when you perform an internet search.

1. From the Home screen, tap  → **Settings**  → **applications** → **Internet Explorer**.
2. Tap the **Allow cookies on my phone** check box if desired.
3. Tap the **Let Bing suggest sites as I type** check box if desired.
4. Tap to change your Website preference (**Mobile version** or **Desktop version**).
5. To delete your browser history, tap **delete history** → **delete**.
All temporary files, browsing history, cookies, and saved passwords are deleted from the phone.
6. Tap **Privacy Statement** to view the statement.



maps

This setting allows phone applications to use your location to provide better local search results.

1. From the Home screen, tap  → **Settings**  → **applications** → **maps**.
2. Touch and drag the slider right to activate the **Use my location** feature.
3. Tap **Privacy Statement** to view the statement.
4. Tap **Terms of Service** to view the terms.

messaging

From this menu you can configure to receive confirmation messages when text messages are delivered. You can also change your SMS center number.



1. From the Home screen, tap  → **Settings**  → **applications** → **messaging**.
2. Touch and drag the slider right to activate **SMS delivery confirmation**.
3. Tap the **SMS center number** field.
4. Use the on-screen keyboard to change the SMS center number.

Important! The SMS center number is used to send and receive messages. You should only change this number when advised to do so by your carrier.

music + videos

This menu allows you to configure your Zune Account Settings and turn Zune connection on or off.

Configure Zune Account settings

1. From the Home screen, tap  → **Settings**  → **applications** → **music + videos**.
2. Tap **Zune Account Settings** to sign in to your Zune account and check your Zune settings.

Connect with Zune

To allow your phone to connect with Zune media player on your PC:

Touch and drag the slider right to turn on the Connect with Zune feature.



Note: The Connect with Zune option is only available after you access Zune account settings.

Office

The Office menu allows you to configure SharePoint and OneNote.



user name

Enter a user name to identify yourself in comments and for collaboration and document tracking efforts.

1. From the Home screen, tap  → **Settings**  → **applications** → **Office**.
2. Tap **user name** and enter a user name that identifies you in comments and document tracking efforts, then tap **done**.

Configuring SharePoint



Clear the SharePoint cache

1. From the Home screen, tap  → **Settings**  → **applications** → **Office**.
2. Tap **SharePoint**.
3. Tap **data store**.
4. Tap **clear cache**.



This clears the SharePoint cache and frees up space on the phone. When you clear the cache, all temporary SharePoint files and history are deleted.

Manually resolve SharePoint conflicts

SharePoint lets you choose how to manage conflicts between files on your phone and the server.

1. From the Home screen, tap  → **Settings**  → **applications** → **Office**.
2. Tap **SharePoint**.
3. Tap **conflicts**.
4. Tap a solution to configure how you want to resolve conflicts.



Configure the SharePoint Unified Access Gateway (UAG) server

1. From the Home screen, tap  → **Settings**  → **applications** → **Office**.
2. Tap **SharePoint**.
3. Tap **UAG server**.
4. Enter the **UAG server address**.

Note: This server requires an encrypted (SSL) connection.

5. Enter your **User name** and **Password**.
6. Tap the **Save password** check box.
7. Tap **done** to save your settings.



Open SharePoint links

1. From the Home screen, tap  → **Settings**  →

applications → Office.



2. Tap **SharePoint**.
3. Tap **startup option**.
4. Tap **Always open SharePoint links** to activate this feature.

Restore the default settings

1. From the Home screen, tap  → **Settings**  → **applications** → Office.
2. Tap **SharePoint**.
3. Tap **reset**.
4. At the **WARNING!** prompt tap **yes**.


Configuring OneNote

From this menu you configure OneNote to automatically turn on and synchronize notes when you open a page, save a page, or open a section.

1. From the Home screen, tap  → **Settings**  → **applications** → Office.
2. Tap **OneNote**.
3. Touch and drag the slider right to activate **Automatic sync**.



Viewing MicroSoft Office information

This option displays version information about Microsoft® Office® Mobile 2010 products installed on your phone.

1. From the Home screen, tap  → **Settings**  → **applications** → Office.
2. Tap **about** to view version information.

people

This menu allows you to configure how your contacts display in the phonebook and import contacts from your SIM.



1. From the Home screen, tap  → **Settings**  → **applications** → **people**.
2. Tap to Sort list by: **First name** or **Last name**.
3. Tap to select how to display names in the contacts list: **First Last**, or **Last, First**.
4. Tap **import SIM contacts** if you want to import the contacts from your SIM card.

Important!: Imported SIM contacts are synchronized with your online Windows Live contact list.

5. If you have a Facebook account, you can select either **Show all my Facebook friends** to add information from Facebook to your address book or **Only add Facebook into existing contacts** to only display information from Facebook on the profile pages of your existing contacts.



Add an account

From this menu you can set up email, contacts, Facebook, and configure other email accounts.

1. From the Home screen, tap  → **Settings**  → **applications** → **people** → **add an account**.
2. Tap **Windows Live**, **Outlook**, **Google**, or **Facebook**.
– or –
Tap **advanced setup** to add an account not displayed in the list.
3. Tap the **Email address** and **Password** fields and use the on-screen keyboard to enter your information.
4. Touch **sign in**.

phone

The phone menu displays your phone number and allows you to configure phone settings such as your voicemail number, caller ID, Call forwarding, International assist, and SIM security.

1. From the Home screen, tap  → **Settings**  → **applications** → **phone**.
2. Your phone number appears under **My phone number**.
3. Tap **Voicemail number**, enter a new voicemail number and tap **save**.

Important!: This Voicemail number is configured to dial your carrier's voicemail box. Please check with your carrier before changing the number.

4. Tap the **Show my caller ID** to field and select who will see your caller ID. Selections are: **everyone**, **no one**, or **my contacts**.
5. Touch and drag the **Call forwarding** slider right to activate **Call forwarding**, enter the number to which calls will be forwarded and tap **save**.
6. Touch and drag the International assist slider right to activate **International assist**.

Note: Activating this feature automatically corrects some common mistakes while dialing internationally or dialing while abroad.



7. Touch and drag the **SIM security** slider right to activate **SIM security**.

Note: Activation of SIM security requires entry of your SIM PIN.

8. If SIM security is activated, touch **change SIM PIN** to change your SIM PIN.

pictures + camera

This menu allows you to configure how the camera is activated, what information is saved with a photo, and whether photos are automatically uploaded to SkyDrive.

1. From the Home screen, tap  → **Settings**  → **applications** → **pictures + camera**.

2. Touch and drag the slider right to activate one of the following:

- **Allow the camera button to wake up the phone**
- **Include location (GPS) info in picture you take**
- **Auto upload to SkyDrive.** Tap the **choose an option** field and select who you want to view the uploaded pictures: **friends**, **me**, **everyone (public)**, or **don't upload** and tap **ok**.
- **Keep location info on uploaded pictures**

Note: Automatic uploading to SkyDrive uses your data plan and may incur charges.

3. **Quick Upload Account:** shows which upload account is set for Quick Upload.
4. Tap **Privacy Statement** to view the statement.



radio

This feature sets the region for radio broadcasts. The default is set to North America.

1. From the Home screen, tap  → **Settings**  → **applications** → **radio**.
2. Tap the **Region** field and select one of the regions: **North America**, **World**, or **Japan**.

search

These settings allow you to use location information to improve search results, get suggestions from Bing while typing, or delete search history.

1. From the Home screen, tap  → **Settings**  → **applications** → **search**.
2. Touch and drag the slider right to activate the **Use my location** feature.

When activated, the phone uses your location to provide better local search results.
3. Tap **Get suggestion from Bing as I type** to deactivate or activate the feature.

Delete Search History

You can delete your internet search history using this setting.

1. Tap **delete history**.
2. At the prompt, tap **delete** to delete all previously-entered search terms from your phone.

Privacy Statement

Displays the Microsoft Windows Phone 7 Privacy Statement (requires web connection).

Section 9: Connections

This section describes the various external connections your phone can make, including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet Explorer

Your phone is equipped with mobile.microsoft.com, your access to the mobile web. This section explains how to navigate and introduces you to the basic features.

Accessing Internet Explorer

To access the Internet Explorer browser:

At the Home screen, tap **Internet Explorer** . The default homepage displays.

Navigating with the Browser

1. To select an item, tap an entry or link.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.

4. To return to the previous page, press .
5. To view your favorites list, tap . Sweep your screen to the left to display your web history.
6. To add a favorite website to your favorites list, tap .
7. To view, add, or manage multiple web pages, tap . Tap a thumbnail image or tap  to open a new page.
8. To access internet options, tap .



Zooming In and Out on the Browser


Sweep two fingers outwards at the same time to zoom in or sweep two fingers together to zoom out. See the diagram below.



Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.




To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keyboard and tap  .
The website displays.

Note: In landscape mode, the URL field is not available.

Search the Internet


To perform an internet search using keywords, follow these steps:

1. From any menu, press  . The Bing search screen displays.
2. Tap the Bing search box located at the top of the browser.
3. Use the on-screen keyboard to enter one or more search words. Additional words and phrases display as you type, which you can tap to select.
4. To initiate the search, tap  .
5. A list of search results displays under the categories **web** and **news**.
6. Touch an entry in the list to view the website.
7. Press  to return to the search list.

Favorites

While navigating a website, you can add the site to your Favorites list to quickly and easily access it at a future time. The URLs (website addresses) of favorite sites are displayed in the Favorites


page. From the Favorites page you can also view your browsing history.

1. From any webpage, tap .

The favorites page is displayed.

2. Tap on an option or a favorite to view the webpage, or touch and hold a Favorite for the following options:
 - **edit**: allows you to edit the name or URL of the Favorite. Tap on a field, then use the keyboard.
 - **delete**: allows you to delete a favorite.

Adding Favorites

1. From any webpage, tap . The ADD FAVORITE screen opens.
2. If required, use the on-screen keyboard to edit the automatically entered **Name** of the bookmark or the **URL**.
3. Tap **ok**.

Editing Favorites

1. From the Favorites page, touch and hold the bookmark you want to edit.
2. On the drop-down list box, tap **edit**.


3. Use the on-screen keyboard to edit the **Name** of the bookmark or the **URL**.
4. Tap **ok**.

Deleting Favorites


1. From any webpage, touch and hold the bookmark you want to delete.
2. Touch **delete**.

Browsing History


The History page provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From any webpage, tap .

The **favorites** page is displayed.

2. Sweep your screen to the left to display the **history** page.
A list of your most recently visited websites is displayed with Name or URL address.
3. Tap any entry to display the webpage.
4. Tap  to delete the History list.

Browser Options

1. From any webpage, press  to access the following options:
 - **forward**: move forward a page in the browser history.
 - **share page**: allows you to share the page in a message.
 - **find on page**: allows you to search in the current page.
 - **pin to start**: allows you to place a shortcut to the webpage on your Home screen for easy access.
 - **settings**: allows you to configure the Internet Explorer Settings on your phone. For more information, refer to “Internet Explorer Settings” on page 83.

Internet Explorer Settings

From this menu you can configure your internet settings where you can allow cookies on the device, allow Bing to suggest web addresses, and you can decide if you want the browser to display as a mobile device or as a desktop. You can also delete all browsing history. For more information, refer to “Internet Explorer” on page 73.

Wi-Fi




About Wi-Fi

Wi-Fi (short for “wireless fidelity”) is a term used for certain types of Wireless Local Area Network (WLAN). These device types use an 802.11 specification signal to transmit and receive wireless

data. Wi-Fi communication requires access to a Wireless Access Point (WAP), which can either be Open (unsecured) or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap  → **Settings**  → **Wi-Fi**.
2. Touch and drag the slider to the right to activate Wi-Fi.
3. If you want to be notified by alert, tap the **Notify me when new networks are found** field to make a checkmark.
4. The device will scan for available in-range wireless networks and display them on the same screen.
5. Press  to return to the Home screen.

Connect To a Wi-Fi Network

1. From the Home screen, tap  → **Settings**  → **Wi-Fi**.
2. Make sure Wi-Fi has been turned on (see above).

The network names and security settings (open or secure) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.

3. Touch the network you want to access.

Note: When you select an open network, you will be automatically connected to the network.

4. Enter a wireless password if necessary. If the connection is successful, **connected** appears under the network name.

Turning Wi-Fi Off

1. From the Home screen, tap  → **Settings**  → **Wi-Fi**.
2. Touch and drag the slider to the left to deactivate Wi-Fi.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:



Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).



Displays when Wi-Fi is active but there is a communication issue with the target WAP or it is not connected to a WAP.




Bluetooth

About Bluetooth


Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth-enabled devices, such as headsets and hands-free car kits, handhelds, computers and printers. The Bluetooth communication range is approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap  → **Settings**  → **Bluetooth**.
2. Touch and drag the slider to the right to turn Bluetooth **On**. When you turn Bluetooth on, your device is discoverable and it immediately scans for Bluetooth devices.
3. Touch and drag the slider to the left to turn Bluetooth **Off**.
4. Press  to return to the Home screen.



Bluetooth Status Indicator


The  icon displays at the top of your screen when Bluetooth is active and your phone is connected with a Bluetooth device.

Connecting Bluetooth Devices

The Bluetooth connection process allows you to establish trusted connections between your device and another Bluetooth device. When you connect devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To connect your device with another Bluetooth device:

1. From the Home screen, tap  → **Settings**  → **Bluetooth**.
2. Touch and drag the slider to the right to turn Bluetooth **On**.
When you turn Bluetooth on, your device is discoverable and it immediately scans for Bluetooth devices.
Your device will display a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate connection.
4. Enter the passkey or PIN code, if needed, and tap **done**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

Once successfully connected to an external device,  appears at the top of your screen and **connected** will appear under the device name.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different.

Note: Connecting two Bluetooth devices is a one-time process. Once a connection has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting Bluetooth Devices

Disconnecting a connected device breaks the connection between the device and your phone, but retains the knowledge of the connection. If you later wish to reconnect the device, there is no need to enter the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously connected device. The status will change to not connected.
3. Tap the device name again to reconnect.

4. To delete the device name from your list of Bluetooth devices, touch and hold the device name until **delete** is displayed. Tap **delete** to remove the device from your list.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

PC Connections

You can connect your device to a PC using an optional PC data cable. When you connect the device to a PC, you can use Zune software to synchronize files on your phone and PC.

Zune allows you download music, pictures, videos, and podcasts from your PC to your phone. For more information, refer to “*Using Zune To Stay In Sync*” on page 42.

Section 10: Applications





This section contains a description of each application that is available in the Applications Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this guide, then a cross reference to that particular section is provided.




Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see “Customizing Your Home Screen” on page 21.

Alarms

The Alarms application allows you to access and set alarms.

Setting a New Alarm

1. From the Home screen, tap  → **Alarms**  → add .
2. Tap the **Time** field then use your finger to sweep the hour minute, and AM/PM fields to set the time you want for the alarm. Tap **done** . (Note: AM/PM field does not appear when using 24 hour format.)

3. Tap the **Repeats** field if you want the alarm to sound on multiple days instead of **only once**. Tap the days that you want the alarm to sound, then tap **done** .
4. Tap the **Sound** field and tap on the sound title you want. You can hear a sample by tapping on the  symbol next to the sound name.
5. Tap the **Name** field and use the keyboard to enter a name for this alarm.
6. Tap **save**  to save the alarm.

Turning Off an Alarm

To stop an alarm when it rings:


Tap **dismiss** on your display.


– or –

Tap **snooze** to delay the alarm for the preset time interval.

Changing an Alarm



To make changes to an existing alarm:

1. From the Home screen, tap  → **Alarms**.

2. Tap the alarm you want to change.
3. Tap and change fields as described in see “*Setting a New Alarm*” on page 87.
4. Tap **save**  to save the updated alarm.



Deleting an Alarm

To delete an alarm:

1. From the Home screen, tap  → **Alarms**.
2. Tap the alarm you want to delete.
3. Tap **delete**  to delete the alarm.

Calculator

The Calculator application provides a choice of basic arithmetic functions (addition, subtraction, multiplication, and division) or a scientific calculator. You can also store numbers in memory for later recall.

1. From the Home screen, tap  → **Calculator** .

Basic Calculator

With the phone in portrait (vertical) mode:

1. Enter the first number using the numeric keys.
2. Enter the operation for your calculation by touching the corresponding on-screen arithmetic function key.

3. Enter the second number.
4. To view the result, tap =.

Scientific Calculator

1. Rotate the phone in landscape (vertical) mode:
2. Enter a number using the numeric keys.
3. Enter the first operation for your calculation by touching the corresponding on-screen arithmetic or scientific function key.
4. Continue entering numbers and functions as required.
5. To view the result, tap =.







Memory Functions

- To store a number in memory, touch **M+**.
- To recall a number, touch **MR** (memory recall).
- To clear the memory, touch **MC** (memory clear).

Calendar

With the Calendar feature, you can consult the calendar by day or month. You can also create appointments and have them displayed on your agenda.





To access the Calendar:

1. From the Home screen, tap  → **Calendar** .
The day screen for the current date displays with your hourly schedule.
2. Sweep the screen to the left to display the agenda view. The Agenda screen displays all appointments that you have added for all dates in the order that they appear.
3. You can also tap to select the following options:
 -  **today:** displays the information for today's date.
 -  **new:** Tap the new icon to create a new appointment for your calendar.
 -  **month:** Tap the month icon to display the month view.
 -  **calendar options:** Tap the options icon and then tap **calendars** to access the calendar options.

Appointments



Create a New Appointment

To create a new appointment:

1. From the Home screen, tap  → **Calendar** .
The day screen displays with all of your appointments listed.
2. Tap  to create a new appointment.
3. Enter the desired information and tap **save**  to save.

Edit an Appointment


To edit an appointment:

1. From the day or agenda screen, tap any appointment to display the Appointment details screen.
2. Tap **edit** .
The Edit Appointment screen displays.
3. Touch the field you want to change (Subject, Location, When (date, time) How long, Reminder, Occurs, Status, Attendees (add someone), Private, and Notes.).
4. Touch **save**  when you are finished.

Deleting an Appointment

1. From the day or agenda screen, tap any appointment to

display the Appointment details screen.

2. Tap **delete**  to delete an appointment.
3. At the **Delete appointment?** prompt, tap **delete**.

Camera

Use your 5.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.


For more information, refer to “Camera” on page 49.



Games

You can shop for new games, install games you buy on your phone, and play them with the Games feature.

Accessing Games

To access the Games feature:

1. From the Home screen, tap **Games** .
— or —

From the Home screen, tap  → **Games** .


The games screen displays.

2. Sweep across the screen to the right or left to view the following:
 - **collection**: allows you to get more games. Any games you have acquired and installed are also listed.

- **spotlight**: displays links to Xbox LIVE websites once you have joined Xbox LIVE.
- **Xbox LIVE**: allows you to Join Xbox LIVE to play with friends or displays your Xbox LIVE player ID.
- **requests**: once you have joined Xbox, this screen displays any game invitations or turn notifications. It also allows you to play a game and invite others to play it with you.

Getting More Games

To buy more games and install them on your phone:

1. From the Home screen, tap **Games**  → **Get more games**.

The **xbox live** category displays.

2. Sweep across the screen to the right or left to view more game categories.

The choices are: **xbox live**, **top**, **new**, **free**, and **categories**.


An icon, the name, a description, and the price displays for each game.

3. Touch the game information.

An expanded game information screen displays that contains an expanded description, screenshots, and reviews.

4. Touch **try** for a free trial, **buy** to purchase the game, **install** if the game is free, or **share** to send someone a message or email containing a link to the game.


If you are buying a game, the Confirm purchase screen displays. The purchase is charged to your mobile phone account or you can touch **Change payment method**.

5. Touch **buy** or **install** to continue, **cancel** to stop.
6. Press  to exit.

The new game is added to your collection screen.

Joining and Accessing Xbox LIVE

To access Xbox LIVE, you need a set up a free Xbox account and get a player ID.

1. From the Home screen, tap **Games**  → **Xbox LIVE**.
2. Touch **Accept** to agree to the Xbox LIVE Terms of Use.
3. Touch **Done** to complete your account setup.

Your player ID displays on the Xbox LIVE screen.

To set your name:

Touch your player ID and follow the on-screen instructions.

To personalize your avatar:

Touch **Personalize your avatar** and follow the on-screen instructions.

After joining Xbox live, the requests screen displays with game information such as game invitations and turn notifications. It also allows you to play a game and invite others to play it with you.

To check invitations or play a game:

Touch the desired activity on the requests screen.

Internet Explorer

Open Internet Explorer to surf the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to “*Internet Explorer*” on page 80.

Maps

Depending on your location, you can use Maps to view basic, custom, and satellite maps. The Maps application also allows you to obtain real-time, GPS-enabled, turn-by-turn navigation instructions to destinations throughout most of North America and certain international destinations. Once you find a destination, you can view nearby businesses and places of interest, including locations, contact information, and driving directions.

Important! Before using Maps, you must have an active data (3G) connection. The Maps application does not cover every country or city.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows


Important! If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram to locate the approximate location of the internal GPS antenna.



Enabling Use my Location



Before you use Maps to find your location, you must enable Use my location.

To enable the location source:

From the Home screen, tap  → **Maps**.

If Use my location is disabled, the Allow Maps to access and use your location? screen is displayed. Tap **Allow**.

– or –

From the Home screen, tap  → **Settings**  → **applications** → **maps**. The maps Settings screen displays. Slide the **Use my location** slider to the right (to **On**).

Delete History


You can also delete any previous map searches, pins, and image data from your phone from the maps settings screen:

1. From the maps Setting screen, touch the **delete history** field.
2. Touch **delete**.

Map Options

At the bottom of the screen the following controls are available, depending on your location:



directions: use the keyboard to enter an end location then touch  to display the directions.



me: your location displays on the map indicated by a yellow dot.



search: allows you to search for a place of interest.



clear map: after viewing or following directions, this option resets the map.

aerial view on: allows you to see your map as a satellite image.

show traffic: displays real-time traffic conditions so you can plan the fastest route. **hide traffic** turns this option off.

results list: displays after a search has been performed. If more than one result is listed, reference numbers display, which are also displayed on the map.

route details: displays detailed written navigation instructions (available when directions have been obtained)

settings: displays map settings.

Marketplace


Marketplace provides access to downloadable applications, music and games to install on your phone. Marketplace also allows you to provide feedback and comments about an application or flag an application that might be incompatible with your phone.

Setting Up a Microsoft Account

Before using Marketplace you must set up a Microsoft account. For more information, refer to “Using the Start-up Wizard” on page 5.

Downloading Applications or Games

To access Microsoft's Marketplace and download applications and games:


1. From the Home screen, tap **Marketplace**  .
The main applications screen displays.
2. Sweep across the screen to the right or left to view the applications menu, **top** applications, **new** applications, or **featured** applications. Touch an item to display more information.

To view applications in a specific category, from the applications menu touch **all**, **Samsung Zone**, **games**, **entertainment**, **music & video**, **photo**, **lifestyle**, **news & weather**, **sports**, **health & fitness**, **finance**, **travel**, **navigation**, **social**, **productivity**, **tools**, **business**, or **books & reference**. Depending on the category, the applications available may be displayed on several screens, such as: **top**, **new**, **free**, and **categories**. Sweep across the screen to the right or left to view the various options.
3. Touch an item to display more information.

An application information screen displays that contains an expanded description, screenshots, reviews (if available), and a related programs list.

4. Touch **try** (if a trial version is available), **buy** (if there is a cost for the application), **install** (if the application is free), or **share** to send someone a message or email containing a link to the application.

The Confirm purchase screen displays. If payment is required, the purchase is charged to your mobile phone account or you can touch **Change payment method**.

5. Touch **buy** or **install** to continue, **cancel** to stop.
6. Press  to exit.

Messaging

The Messaging feature allows you to send text messages and multimedia messages to other phones and email addresses. For more information, refer to *"Creating and Sending Text Messages"* on page 55.


Music + Videos

This menu lets you manage your music, videos and podcasts, and operate the FM radio. For more information, refer to “*Music and Videos*” on page 42.

Now



The Now application allows you to view weather, news, and favorite stocks at a glance.

To access Now:


From the Home screen, tap **Now** .

The weather screen displays.



To select cities for weather reporting:

1. Tap  to edit the weather settings.
2. Tap  **Add a city**.
3. Scroll through the list of cities and select one.

– or –

Type a city name using the keyboard, tap , and then tap the correct city.




4. In the **Unit** field, choose your temperature display preference by tapping on **°C** (Centigrade) or **°F** (Fahrenheit).

5. Press  to exit.
6. To refresh the weather, tap .
7. Tap the weather screen for more information and sweep across the screen for a 6-day weather forecast.
8. Tap **hourly weather** for an hourly forecast and **geo map** for a radar-type view of the area.

To access the news screen:

1. Sweep across the screen to the left.



The news screen displays.




2. Tap  to refresh the news.
3. Tap  to edit the news category.
4. Press  to exit.

To access the stocks screen:

1. Sweep across the screen to the left.

The stocks screen displays.



2. Tap  to edit the stocks settings.
3. Tap  **Add a stock**.

4. Type a company name or stock symbol using the keyboard, tap , and then tap the correct stock to add it to your stocks.
5. Sweep across the screen to the left to **Add an index**.
6. Press  to exit.
7. To refresh your stock listings, tap .

Office

Learn to create and edit Excel workbooks and Word documents, open and view PowerPoint slideshows, create notes, or search for and share document files with others..

To access Office, follow these steps:

1. From the Home screen, tap  → **Office** .

The following Microsoft Office applications are available:

- **OneNote:** view, edit and create OneNote notes on your phone.
- **Excel:** View,edit and create Microsoft Excel spreadsheets on your phone.
- **Word:** View, edit and create Microsoft Word documents on your phone.
- **PowerPoint:** View and edit Microsoft PowerPoint presentations on your phone.

- **SharePoint:** Access Microsoft SharePoint documents and lists from your phone. Download documents, make updates on your phone and save them back to SharePoint.
2. Sweep your screen to the left to display the different applications.
 3. Follow the on-screen instructions to use the Microsoft Office applications.

People

You can manage your daily contacts by storing their name, number, email, and other information in your Address Book.

For more information, refer to “*People*” on page 36.

Phone

The Phone application allows you to make or answer a call. It also includes the features and functionality associated with making or answering a call. For more information, refer to “*Call Functions*” on page 24.

Pictures

The Pictures application is where you manage your photos and videos. For more information, refer to “*Pictures*” on page 47.

Settings

This menu accesses the system and applications settings for your phone. It includes such settings as: sound, Wi-Fi, Bluetooth,

accounts, display, security, memory, and any extra settings associated with your phone. For more information, refer to *“Changing Your Settings”* on page 66.

Section 11: Health and Safety Information

Safety Warnings

Keep phone from children and pets

Keep your phone and all accessories out of the reach of small children or animals. Small parts may cause choking or serious injury if swallowed. Children could also damage the phone, dial 911 by mistake or make calls that increase your phone bill.

Protect your hearing

Excessive exposure to sound at high volume can cause hearing damage. Always turn the volume down before plugging in the earphones and use only the minimum volume setting necessary to hear your conversation or music.

Install mobile devices and equipment with caution

Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted. Avoid placing your phone and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Handle and dispose of batteries and chargers with care

Use only Samsung-approved batteries and chargers specifically designed for your phone. Incompatible batteries and chargers can cause serious injuries or damage to your phone.

Never dispose of batteries or phones in a fire. Follow all local regulations when disposing used batteries or phones.

Never place batteries or phones on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.

Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Avoid interference with pacemakers

Maintain a minimum of 15 cm (6 inches) between mobile phones and pacemakers to avoid potential interference, as recommended by manufacturers and the independent research group, Wireless Technology Research. If you have any reason to suspect that your phone is interfering with a pacemaker or other medical device, turn off the phone immediately and contact the manufacturer of the pacemaker or medical device for guidance.

Turn off the phone in potentially explosive environments

Do not use your phone at refuelling points (service stations) or near fuels or chemicals. Turn off your phone whenever directed by warning signs or instructions. Your phone could cause explosions or fire in and around fuel or chemical storage and transfer areas or blasting areas. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the phone, its parts, or accessories.

Thunderstorms

Do not use your phone during a thunderstorm. Your phone may malfunction and your risk of electric shock is increased.

Warning regarding display

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

Safety Precautions

Drive safely at all times

Avoid using your phone while driving and obey all regulations that restrict the use of mobile phones while driving. Use hands-free accessories to increase your safety when possible.

Follow all safety warnings and regulations

Comply with any regulations that restrict the use of a mobile phone in a certain area.

Use only Samsung-approved accessories

Using incompatible accessories may damage your phone or cause injury.

Turn off the phone near medical equipment

Your phone can interfere with medical equipment in hospitals or health care facilities. Follow all regulations, posted warnings, and directions from medical personnel.

Turn off the phone or disable the wireless functions when in an aircraft

Your phone can cause interference with aircraft equipment. Follow all airline regulations and turn off your phone or switch to a mode that disables the wireless functions when directed by airline personnel.

Avoid interference with other electronic devices

Your phone emits radio frequency (RF) signals that may interfere with unshielded or improperly shielded electronic equipment, such as pacemakers, hearing aids, medical devices, and other electronic devices in homes or vehicles. Consult the

manufacturers of your electronic devices to solve any interference problems you experience.

Protect batteries and chargers from damage

- Avoid exposing batteries to very cold or very hot temperatures (below 0° C/32° F or above 45° C/113° F). Extreme temperatures can reduce the charging capacity and life of your batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and - terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Handle your phone carefully and sensibly

- Do not disassemble your phone due to a risk of electric shock.
- Do not allow your phone to get wet—liquids can cause serious damage and will change the colour of the label that indicates water damage inside the phone. Do not handle your phone with wet hands. Water damage to your phone can void your manufacturer's warranty.
- Avoid using or storing your phone in dusty, dirty areas to prevent damage to moving parts.
- Your phone is a complex electronic device—protect it from impacts and rough handling to avoid serious damage.
- Do not paint your phone, as paint can clog moving parts and prevent proper operation.

- Your phone may be damaged by exposure to magnetic fields. Do not use carrying cases or accessories with magnetic closures or allow your phone to come in contact with magnetic fields for extended periods of time.

Reduce the risk of repetitive motion injuries

While using your phone, hold it with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Warranty Disclaimer: Proper use of a touch screen handset

The touchscreen responds best to a light touch from the pad of your finger. Using excessive force when pressing on the touchscreen may damage the tempered glass surface and void the warranty. For more information, please refer to "Warranty Information" on page 161.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Important usage information

Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level.

Allow only qualified personnel to service your phone

Allowing unqualified personnel to service your phone may result in damage to your phone and will void your warranty.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purpose.

Handle SIM cards and memory cards with care

- Do not remove a card while the phone is transferring or accessing information, as this could result in loss of data and/or damage to the card or phone.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Frequent writing and erasing will shorten the life span of memory cards.

- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your phone may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

Correct disposal of this product

The product and its electronic accessories (e.g., charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Correct disposal of batteries in this product

The batteries in this product should not be disposed of with other household waste at the end of their working life.

Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above reference levels. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

This phone is compliant with RoHS.

Radio frequency safety

The design of your phone complies with updated NCRP standards described below. In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Acknowledging special precautions and Industry Canada notice

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient / relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult your dealer or an experienced radio/TV technician for help.

Specific Absorption Rates (SAR)

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

Maximum measured SAR values for the I917R are:

GSM 850

- Head: 0.51 W/Kg
- Body-worn: 0.946 W/Kg

GSM 1900

- Head: 0.29 W/Kg
- Body-worn: 0.421 W/Kg

WCDMA 850

- Head: 0.327 W/Kg
- Body-worn: 0.359 W/Kg

WCDMA 1900

- Head: 0.965 W/Kg
- Body-worn: 0.625 W/Kg

WLAN

- Head: 0.241 W/Kg
- Body-worn: 0.111 W/Kg

Section 12: Warranty Information

What is Covered and For How Long?

SAMSUNG Electronics Canada Inc. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in

conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product; or (g) Product used or purchased outside Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if: (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-800-Samsung. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt,

reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/ replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR

- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.
- NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY

OTHER PARTY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND SHALL BE PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE

PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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A

- about 72
- airplane mode 67
- Alarms 87
- Alphabetic mode 33
- Applications
 - Alarms 16
 - Calculator 16
 - Calendar 16, 89
 - Camera 16, 90
 - Internet Explorer 91
 - Maps 92
 - Marketplace 93
 - Messaging 94
 - Music + Videos 95
 - Now 95
 - Office 96
 - Using the Camera 49
- Appointments 89
- Assigning an Image to a Contact 54

B

Battery

- charging 4
- Installing 3
- Low Battery Indicator 5

Bing 18

Bluetooth 84

- Connecting devices 85

Browser 80

- entering text 81
- options 83

C

Calculator 88

Calendar 89

Call Functions 24

- 3-Way Calling (Multi-Party Calling) 28
- Adjusting the Call Volume 27
- Answering a Call 25
- Call Back Missed Call 25
- Call History 25
- Correcting the Number 24
- Dialing a Recent Number 24
- Ending a Call 24
- International Call 24

- Making a Call 24
- Options During a Call 27
- People 25
- Putting a Call on Hold 27
- Saving a Recent Call to People 26

Camcorder

- Shooting Videos 51

Camera 49

- Accessing the Pictures Folder 53
- Picture Folder 53
- Taking Pictures 50

Changing Your Settings 66

Charging battery 4

Color Theme

- Changing 22

Connections 80

Contacts 36

E

Email 59

Entering Text 30

- Changing the Text Entry Mode 33
- Using 123Sym Mode 34
- using alphabetic mode 33

Using Symbol/Numeric Mode 34

Excel 96

F

Favorites 81

Adding Favorites 82

feedback 72

G

Gallery 47

Getting Started 1

Setting Up Your Phone 1

Voice mail 6

H

Hard reset 8

Health and Safety Information 98

I

Icons

Application 16

Indicator 15

In-Call Options 27

International Call 24

Internet 80

Internet Explorer 80, 91

Settings 83

K

Keyboard

Changing Text Input 33

L

landscape 31

Linking Contacts 38

Locking and Unlocking the Phone 18

M

Maps 92

Marketplace 93

Menu Navigation 18

Messaging 94

Creating and Sending Text

Messages 55

Signing into Email 59

Types of Messages 55

Messaging Conversations 57

MicroSD Card 7

MicroSD card 9

Inserting 8

Storage Error 10

Microsoft Word 96

Mobile Web 80

Entering Text 81

Navigating with the Mobile Web 81

Multimedia 42

Music Player 43

Mute 27

N

Navigation 18

O

Office 96

OneNote 96

P

PC Connections 86

People

Adding a New Contact 36

Dialing a Number 37

Options 41

Using People List 37

Phone

Front View 12

Rear View 14

Side View 13

Switching On/Off 5

Turn Off 5

Turn On 5

phone update 72

Pictures 47

viewing pictures 48

viewing videos 49
PowerPoint 96

R

Radio 45
Recent Activities 41
Removing 9

S

SAR values 103
Search 18
Settings
 Bluetooth 67
 email & accounts 67
 find my phone 71
 games 73
 Internet Explorer 73
 keyboard 70
 maps 73
 messaging 74
 music + videos 74
 Office 74
 people 76
 phone 78
 radio 78
 region & language 70
 ringtones & sounds 66

search 79
SharePoint 75
speech 71
theme 66
Wi-Fi 67
Zune Account 74

SharePoint 96

SIM card

 Installing 1

Specific Absorption Rates (SAR) 103

Speech Engine 23

Symbol/Numeric mode 34

Symbols

 inserting in text 32

T

Text Input

 alphabetic mode 33
 numeric mode 34
 symbol mode 34

Text input

 Emoticon Mode 34
 Text Suggestions 35

Touch Screen 5

 Lock/Unlock 5

Travel Adapter 4

Using 4

U

Understanding Your Phone 12

 Features of Your Phone 12

 Front View 12

 Rear View 14

 Side Views 13

Unmute 27

Using Favorites

 Deleting a Favorite 82

 Editing Favorites 82

V

Voice Mail

 Accessing 6

 From Another Phone 7

 Setup 6

W

Wallpaper

 changing 22

Warranty Information 105

Web 80

What's New 40

Widgets

 Browser 91

 Settings 18, 96

Wi-Fi 83

turn on 83

Windows Live 63

Word 96

X

Xbox Live 91

Z

Zune Pass 42